# WEEKLY BULLETINS OF MASS. STATE BOARD OF HEALTH

1899

SPECIAL AGENT,
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*Boston, Mass. U. S. A.*

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# Weekly Bulletin

OF THE

Mass.: STATE BOARD OF HEALTH

—OF—

## MASSACHUSETTS

FOR THE

## Week ending Saturday, Jan. 7, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 1.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

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# MORTALITY OF MASSACHUSETTS

MAY 18 19

For the Week ending Jan. 7, 1899.

BOSTON

## Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from Principal Infectious Diseases. | Deaths from Acute Lung Diseases. | Deaths from Whooping-cough. | Deaths from Typhoid Fever. | Deaths from Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Boston, | 528,463 | 254 | 63 | 11 | 92 | 1 | 4 | 4 |
| Worcester, | 108,240 | 33 | 12 | 2 | 8 | 1 | .. | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 25 | 10 | 2 | 5 | 1 | 1 | .. |
| Lowell, | 88,641 | 42 | 10 | 3 | 10 | .. | .. | 2 |
| Lynn, | 66,703 | 21 | 3 | .. | 4 | .. | .. | .. |
| New Bedford, | 66,340 | 30 | 12 | 4 | 7 | .. | 1 | 2 |
| Somerville, | 61,101 | 10 | 3 | .. | 3 | .. | .. | .. |
| Lawrence, | 57,263 | 46 | 19 | 4 | 11 | 1 | .. | 1 |
| Springfield, | 56,501 | 34 | 9 | 3 | 13 | .. | .. | .. |
| Holyoke, | 43,424 | 20 | 10 | 5 | 2 | 1 | .. | 1 |
| Brockton, | 37,278 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 11 | 4 | .. | .. | .. | .. | .. |
| Malden, | 34,613 | 16 | 3 | 2 | 1 | .. | .. | 2 |
| Chelsea, | 33,468 | 22 | 1 | .. | 6 | .. | .. | .. |
| Haverhill, | 32,022 | 12 | 5 | 1 | 2 | 1 | .. | .. |
| Gloucester, | 30,589 | 13 | 7 | 6 | .. | 3 | .. | .. |
| Newton, | 29,716 | 9 | 4 | 1 | 3 | .. | .. | .. |
| Fitchburg, | 29,438 | 8 | 2 | .. | .. | .. | .. | .. |
| Taunton, | 28,167 | 17 | 3 | 1 | .. | .. | 1 | .. |
| Everett, | 25,338 | 3 | 0 | .. | 1 | .. | .. | .. |
| Quincy, | 23,549 | 10 | 5 | .. | 4 | .. | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 7 | 1 | 1 | 1 | .. | .. | .. |
| North Adams, | 20,971 | 5 | 2 | 1 | 3 | .. | .. | 1 |
| Brookline, | 18,600 | 9 | 4 | .. | 4 | .. | .. | .. |
| Chicopee, | 17,842 | 11 | 4 | 1 | 3 | .. | .. | 1 |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 0 | 1 | 1 | .. | 1 | .. |
| Marlborough, | 15,679 | 6 | 0 | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 10 | 2 | 2 | .. | 2 | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 9 | 2 | 1 | 5 | .. | .. | .. |
| Hyde Park, | 12,805 | 3 | 0 | 1 | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 4 | 1 | .. | 2 | .. | .. | .. |
| Peabody, | 10,716 | 4 | 1 | 1 | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 7 | 2 | .. | 6 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Whooping-cough. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,655,825 | 714 | 204 | 54 | 97 | 11 | 8 | 14 |

## DEATHS FROM PREVALENT DISEASES IN 32 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 14; whooping-cough, 11; cerebro-spinal meningitis, 9; typhoid fever, 8; diarrhœal diseases, 6; erysipelas, 3; scarlet fever, 2; measles, 1.

No deaths were reported from small-pox, puerperal fever and malarial fevers.

There were 197 deaths from acute lung diseases; consumption, 65; and stillbirths, 26.

From cerebro-spinal meningitis: Holyoke and Gloucester, 2 each; Worcester, Springfield, Newton, Waltham and Peabody, 1 each. From diarrhœal diseases: Lawrence, 2; Boston, Lowell, Holyoke and Hyde Park, 1 each. From erysipelas: Springfield, 2; Boston, 1. From scarlet fever: New Bedford and Melrose, 1 each. From measles: Gloucester, 1.

Deaths under five years of age numbered 204 as compared with 165 for the preceding week.

Deaths from the principal infectious diseases numbered 54, as compared with 39 for the preceding week.

The death rates for the week were: Boston, 22.99; Worcester, 15.85; Fall River, ——; Cambridge, 14.47; Lowell, 24.61; Lynn, 16.35; New Bedford, 23.49; Somerville, 8.51; Lawrence, 41.76; Springfield, 31.39; Holyoke, 23.94; Brockton, ——; Salem, 15.51; Malden, 24.03; Chelsea, 34.10; Haverhill, 19.47; Gloucester, 22.10; Newton, 15.75; Fitchburg, 14.08; Taunton, 31.38; Everett, 6.15; Quincy, 22.00; Pittsfield, ——; Waltham, 16.68; North Adams, 12.60; Chicopee, 32.01; Medford, 9.42; Marlborough, 19.86; Newburyport, 34.80; Woburn, ——.

The total death rate for the week was 22.42, as compared with 18.41 and 18.15 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JAN. 7, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 102 | Measles, | 252 |
| Diphtheria and croup, | 134 | Typhoid fever, | 46 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Jan. 7, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 1, | 30.43 | 14 | 25 | 2 | 92 | 51 | 72 | N. W. | N. W. | 13 | 22 | N. | C. | | 0.30 |
| Monday, 2, | 30.79 | 10 | 22 | 3 | 69 | 69 | 69 | W. | S. W. | 17 | 16 | C. | F. | | 0.00 |
| Tuesday, 3, | 30.51 | 28 | 38 | 19 | 87 | 56 | 72 | S. W. | S. W. | 22 | 10 | O. | C. | | 0.00 |
| Wednes'y, 4, | 30.18 | 38 | 49 | 28 | 88 | 82 | 85 | S. W. | S. W. | 6 | 16 | R. | F. | | 0.T. |
| Thursday, 5, | 30.05 | 50 | 57 | 43 | 81 | 46 | 64 | S. W. | W. | 24 | 15 | O. | O. | | 0.00 |
| Friday, 6, | 30.01 | 37 | 44 | 30 | 80 | 100 | 90 | N. E. | N. E. | 19 | 14 | N. | R. | | 0.62 |
| Saturday, 7, | 29.97 | 31 | 38 | 24 | 80 | 56 | 68 | W. | S. W. | 20 | 22 | O. | C. | | 0.18 |
| Week, - - | 30.28 | | 39 | 20 | | | 74 | | | | | | | | 1.10 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# NOTICE.

The State Board of Health published a statement, April 6, 1896, in its bulletin of that week, presenting therein the results of an examination of sueh preparations of Diphtheria Antitoxin as were then offered for sale in open market in Massachusetts. This statement eontained the names of five produeers of Diphtheria Antitoxin together with the results of examination in eaeh ease.

The samples furnished by three of these produeers were found to be of the standard strength guaranteed upon the paekage.

In a recent pamphlet issued by H. K. Mulford & Co., of Philadelphia, entitled "The Antitoxin Treatment of Diphtheria," reference is made in the table of eontents (page 2) to what is there termed an "Official Report of Massaehusetts State Board of Health."

Upon page 35 where the so-called report appears, only a portion of the original statement is given. The statement as there presented is misleading and liable to do injustiee, since while it presents the names of two parties whose preparations were found to be below the professed standard, it omits all referenee to two other preparations whieh were found to be of standard strength (those of Behring and Parke, Davis & Co.)

This statement eannot therefore be ealled an "Official Report of Massachusetts State Board of Health."

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Jan. 14, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 2.

**Entered at the post-office at Boston as second-class matter.**

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 14, 1899.

## Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Whooping-cough. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 272 | 69 | 15 | 88 | 1 | 4 | 5 |
| Worcester, | 108,240 | 43 | 12 | 5 | 10 | .. | 1 | 3 |
| Fall River, | 95,919 | 34 | 15 | 4 | 14 | 2 | .. | .. |
| Cambridge, | 89,724 | 33 | 14 | 2 | 4 | .. | .. | 1 |
| Lowell, | 88,641 | 50 | 14 | 4 | 11 | .. | 1 | .. |
| Lynn, | 66,703 | 19 | 2 | 2 | 2 | 1 | .. | .. |
| New Bedford, | 66,340 | 25 | 7 | 2 | 1 | .. | .. | 2 |
| Somerville, | 61,101 | 23 | 5 | 1 | 4 | .. | .. | .. |
| Lawrence, | 57,263 | 46 | 12 | 3 | 9 | .. | 3 | .. |
| Springfield, | 56,501 | 32 | 6 | 5 | 7 | .. | 1 | 1 |
| Holyoke, | 43,424 | 15 | 3 | 2 | .. | 2 | .. | .. |
| Brockton, | 37,278 | 13 | 3 | 1 | 2 | .. | .. | 1 |
| Salem, | 36,883 | 11 | 4 | .. | 2 | .. | .. | .. |
| Malden, | 34,613 | 13 | 2 | .. | 4 | .. | .. | .. |
| Chelsea, | 33,468 | 21 | 5 | .. | 6 | .. | .. | .. |
| Haverhill, | 32,022 | 14 | 2 | 1 | 4 | 1 | .. | .. |
| Gloucester, | 30,589 | 12 | 4 | 3 | .. | 1 | 1 | .. |
| Newton, | 29,716 | 10 | 0 | 3 | .. | .. | 1 | 1 |
| Fitchburg, | 29,438 | 9 | 1 | .. | 2 | .. | .. | .. |
| Taunton, | 28,167 | 7 | 1 | 2 | 2 | .. | 1 | 1 |
| Everett, | 25,338 | 7 | 2 | 1 | 2 | .. | 1 | .. |
| Quincy, | 23,549 | 11 | 3 | 2 | 4 | 2 | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 10 | 1 | .. | 3 | .. | .. | .. |
| North Adams, | 20,971 | 5 | 2 | .. | 2 | .. | .. | .. |
| Brookline, | 18,600 | 4 | 0 | .. | 1 | .. | .. | .. |
| Chicopee, | 17,842 | .. | .. | .. | .. | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 5 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | 2 | 1 | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 5 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 3 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 5 | 1 | 1 | 1 | .. | .. | .. |
| Beverly, | 12,397 | 7 | 0 | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 2 | 0 | .. | 1 | .. | .. | .. |
| Peabody, | 10,716 | 3 | 1 | .. | 1 | .. | .. | .. |
| Leominster, | 10,375 | 7 | 1 | .. | 3 | .. | .. | .. |
| Amesbury, | 10,098 | 3 | 0 | .. | 2 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Whooping-cough. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,793,952 | 781 | 194 | 59 | 192 | 10 | 14 | 15 |

## DEATHS FROM PREVALENT DISEASES IN 35 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-nine deaths were reported from the principal infectious diseases: diphtheria and croup, 15; typhoid fever, 14; whooping-cough, 10; cerebro-spinal meningitis, 8; diarrhœal diseases, 5; erysipelas, 3; scarlet fever, 2; measles, 2.

No deaths were reported from small-pox, puerperal fever and malarial fevers.

There were 192 deaths from acute lung diseases; consumption, 82; and stillbirths, 62.

From cerebro-spinal meningitis: Worcester, Cambridge, Lowell, Lynn, Springfield, Gloucester, Newton and Hyde Park, 1 each. From diarrhœal diseases: Fall River and Lowell, 2 each; Boston, 1. From erysipelas: Boston, Somerville and Springfield, 1 each. From scarlet fever: Boston and Springfield, 1 each. From measles: Boston, 2.

Deaths under five years of age numbered 194 as compared with 204 for the preceding week.

Deaths from the principal infectious diseases numbered 59, as compared with 54 for the preceding week.

The death rates for the week were: Boston, 26.76; Worcester, 20.65; Fall River, 18.12; Cambridge, 19.11; Lowell, 29.30; Lynn, 14.80; New Bedford, 19.57; Somerville, 19.57; Lawrence, 41.76; Springfield, 29.44; Holyoke, 17.95; Brockton, 18.13; Salem, 15.51; Malden, 19.52; Chelsea, 32.55; Haverhill, 22.72; Gloucester, 20.40; Newton, 17.50; Fitchburg, 15.84; Taunton, 12.92; Everett, 14.35; Quincy, 24.20; Pittsfield, ——; Waltham, 23.84; North Adams, 12.60; Chicopee, ——; Northampton, ——; Medford, 15.70; Marlborough, 6.62; Newburyport, 17.40; Woburn, ——.

The total death rate for the week was 23.63, as compared with 22.42 and 18.41 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JAN. 14, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, . . . . . | 81 | Measles, . . . . . | 312 |
| Diphtheria and croup, . . . . | 117 | Typhoid fever, . . . . | 40 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Jan. 14, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 8, | 30.34 | 26 | 32 | 20 | 63 | 58 | 60 | S. W. | S. W. | 12 | 18 | C. | C. | | 0.00 |
| Monday, 9, | 30.21 | 36 | 41 | 30 | 53 | 66 | 60 | S. W. | N. | 12 | 10 | O. | O. | | 0.00 |
| Tuesday, 10, | 30.48 | 18 | 30 | 5 | 40 | 47 | 44 | N. W. | N. W. | 12 | 18 | C. | C. | | 0.00 |
| Wednes'y, 11, | 30.56 | 12 | 23 | 1 | 40 | 47 | 44 | N. W. | N. W. | 16 | 15 | C. | C. | | 0.00 |
| Thursday, 12, | 30.53 | 22 | 31 | 12 | 34 | 26 | 30 | N. W. | W. | 10 | 6 | C. | C. | | 0.00 |
| Friday, 13, | 30.41 | 25 | 33 | 17 | 47 | 87 | 67 | N. W. | E. | 5 | 3 | O. | O. | | 0.01 |
| Saturday, 14, | 29.75 | 33 | 36 | 30 | 95 | 100 | 98 | N. | S. | 7 | 6 | R. | R. | | 0.38 |
| Week, - - | 30.32 | | 32 | 16 | | | 58 | | | | | | | | 0.39 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of December.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, | 350 | 146 | 496 | Maple Syrup, | 6 | 1 | 7 |
| Butter, | 29 | 0 | 29 | Canned Goods, | .. | .. | .. |
| Cheese, | 4 | 0 | 4 | Honey, | 7 | 0 | 7 |
| Lard, | 1 | 0 | 1 | Tea, | .. | .. | .. |
| Olive Oil, | .. | .. | .. | Coffee, | 15 | 0 | 15 |
| Vinegar, | .. | .. | .. | Cocoa, | 3 | 6 | 9 |
| Spices, | 138 | 18 | 156 | Confectionery, | 2 | 0 | 2 |
| Cream of Tartar, | 21 | 0 | 21 | Other articles of Food and Drinks, | 18 | 4 | 22 |
| Molasses, | 12 | 3 | 15 | Toys, | 3 | 0 | 3 |
| Syrups, | 0 | 3 | 3 | Drugs, | 24 | 16 | 40 |
| Maple Sugar, | 1 | 0 | 1 | | | | |
| | | | | Totals, | 634 | 197 | 831 |

Percentage of adulteration, 23.7. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 41.7 per cent., while the percentages of articles of food was 11.8 per cent.

Four complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Two of these were for violation of the statutes relative to the sale of Coffee, Maple Syrup and Molasses, each one. Fines were imposed amounting to $112.

The samples of drugs found to be adulterated were Cayenne Pepper, Distilled Water, Ether, Extract of Liquorice, Tincture of Iodine and Whiskey.

Cities and towns from which samples of food were collected were Boston, Worcester, Fall River, Cambridge, Lowell, Somerville, Lawrence, Salem, Malden, Chelsea, Newton, Fitchburg, Taunton, Everett, Quincy, Waltham, North Adams, Medford, Woburn, Beverly, Arlington, Brookline, Dedham, Framingham, Hyde Park, Watertown, Wellesley and Wenham.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Jan. 21, 1899.

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VOL. XVII. No. 3.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 21, 1899.

## Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

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|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Whooping-cough. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 277 | 61 | 15 | 85 | 2 | 4 | 4 |
| Worcester, | 108,240 | 26 | 9 | 1 | 3 | .. | .. | 1 |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 29 | 5 | 2 | 4 | 1 | 1 | .. |
| Lowell, | 88,641 | 37 | 9 | 2 | 7 | .. | 1 | 1 |
| Lynn, | 66,703 | 24 | 4 | 3 | 5 | .. | .. | 1 |
| New Bedford, | 66,340 | 27 | 10 | .. | 5 | .. | .. | .. |
| Somerville, | 61,101 | 15 | 4 | 1 | 6 | .. | .. | .. |
| Lawrence, | 57,263 | 36 | 17 | 11 | 8 | 2 | 4 | 2 |
| Springfield, | 56,501 | 29 | 5 | 1 | 8 | .. | 1 | .. |
| Holyoke, | 43,424 | 14 | 2 | 1 | 2 | .. | .. | .. |
| Brockton, | 37,278 | 16 | 2 | 2 | 3 | .. | .. | .. |
| Salem, | 36,883 | 16 | 4 | .. | 2 | .. | .. | .. |
| Malden, | 34,613 | 8 | 0 | 1 | 4 | .. | 1 | .. |
| Chelsea, | 33,468 | 11 | 2 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 17 | 5 | 4 | 2 | 4 | .. | .. |
| Gloucester, | 30,589 | 8 | 3 | 1 | .. | 1 | .. | .. |
| Newton, | 29,716 | .. | .. | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | 15 | 2 | .. | 3 | .. | .. | .. |
| Taunton, | 28,167 | 17 | 1 | 3 | 4 | .. | 1 | 1 |
| Everett, | 25,338 | 12 | 5 | 3 | 2 | .. | .. | 2 |
| Quincy, | 23,549 | 9 | 1 | 2 | 3 | .. | 1 | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 10 | 1 | .. | 4 | .. | .. | .. |
| North Adams, | 20,971 | 4 | 0 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 12 | 3 | .. | 3 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 6 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | 4 | 0 | 1 | 1 | .. | .. | .. |
| Newburyport, | 14,915 | 9 | 1 | .. | 1 | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 8 | 1 | 1 | 2 | .. | 1 | .. |
| Hyde Park, | 12,805 | 7 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 3 | 1 | .. | 1 | .. | .. | .. |
| Peabody, | 10,716 | 4 | 1 | 1 | .. | 1 | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Whooping-cough. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,681,794 | 710 | 160 | 56 | 168 | 11 | 15 | 12 |

## DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-six deaths were reported from the principal infections diseases: typhoid fever, 15; diphtheria and croup, 12; whooping-cough, 11; cerebro-spinal meningitis, 8; diarrhœal diseases, 3; measles, 3; scarlet fever, 2; erysipelas, 2.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 168 deaths from acute lung diseases; consumption, 66; and stillbirths, 35.

From cerebro-spinal meningitis: Boston, Lynn and Brockton, 2 each; Somerville and Holyoke, 1 each. From diarrhœal diseases: Boston, 2; Lawrence, 1. From measles: Lawrence, 2; Boston, 1. From scarlet fever: Everett and Marlborough, 1 each. From erysipelas: Taunton and Quincy, 1 each.

Deaths under five years of age numbered 160 as compared with 194 for the preceding week.

Deaths from the principal infectious diseases nnmbered 56, as compared with 59 for the preceding week.

The death rates for the week were: Bostou, 27.25; Worcester, 12.49; Fall River, ——; Cambridge, 16.79; Lowell, 21.68; Lynn, 18.69; New Bedford, 21.14; Somerville, 12.76; Lawrence, 32.68; Springfield, 26.68; Holyoke, 16.75; Brockton, 22.02; Salem, 22.56; Malden, 12.01; Chelsea, 17.05; Haverhill, 27.59; Gloucester, 13.60; Newton, ——; Fitchburg, 26.40; Taunton, 13.38; Everett, 24.60; Quincy, 19.80; Pittsfield, ——; Waltham, 23.84; North Adams, 10.08; Chicopee, 34.92; Northampton, ——; Medford, 18.84; Marlborough, 13.24; Newburyport, 31.32; Woburn, ——.

The total death rate for the week was 21.95, as compared with 23.63 and 22.42 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JAN. 21, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 70 | Measles, | 230 |
| Diphtheria and cronp, | 102 | Typhoid fever, | 37 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Jan. 21, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 15, | 29.86 | 40 | 46 | 34 | 55 | 66 | 60 | W. | W. | 23 | 9 | F. | F. | | 0.00 |
| Monday, 16, | 30.07 | 38 | 45 | 32 | 75 | 90 | 82 | S. | S. | 8 | 12 | O. | R. | | 0.00 |
| Tuesday, 17, | 29.76 | 44 | 51 | 36 | 90 | 67 | 78 | N. W. | W. | 12 | 10 | C. | C. | | 0.01 |
| Wednes'y, 18, | 30.13 | 30 | 40 | 20 | 67 | 41 | 54 | N. | N. W. | 14 | 14 | C. | C. | | 0.89 |
| Thursday, 19, | 30.32 | 26 | 37 | 14 | 51 | 39 | 45 | N. W. | W. | 11 | 10 | C. | C. | | 0.00 |
| Friday, 20, | 30.21 | 36 | 50 | 21 | 40 | 38 | 39 | W. | S. W. | 13 | 12 | C. | C. | | 0.00 |
| Saturday, 21, | 29.91 | 38 | 46 | 31 | 57 | 80 | 68 | S. W. | S. W. | 12 | 13 | O. | O. | | 0.00 |
| Week, - - | 30.04 | | 45 | 27 | | | 61 | | | | | | | | 0.90 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Jan. 28, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 4.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., Secretary.

# MORTALITY OF MASSACHUSETTS

For the Week ending Jan. 28, 1899.

## Deaths reported to the State Board of Health in 41 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 257 | 66 | 12 | 70 | 1 | 2 | 6 |
| Worcester, | 108,240 | 30 | 10 | 4 | 3 | 2 | .. | 2 |
| Fall River, | 95,919 | 44 | 16 | 3 | 14 | .. | .. | .. |
| Cambridge, | 89,724 | 31 | 7 | 3 | 1 | .. | .. | 1 |
| Lowell, | 88,641 | 36 | 8 | 1 | 4 | .. | .. | 1 |
| Lynn, | 66,703 | 29 | 6 | .. | 4 | .. | .. | .. |
| New Bedford, | 66,340 | 31 | 4 | 2 | 4 | .. | 1 | 1 |
| Somerville, | 61,101 | 21 | 5 | 3 | 5 | 1 | .. | 1 |
| Lawrence, | 57,263 | 26 | 15 | 2 | 4 | .. | 1 | 1 |
| Springfield, | 56,501 | 23 | 3 | 1 | 5 | .. | .. | .. |
| Holyoke, | 43,424 | 12 | 6 | .. | 2 | .. | .. | .. |
| Brockton, | 37,278 | 9 | 1 | .. | 3 | .. | .. | .. |
| Salem, | 36,883 | 13 | 2 | .. | 2 | .. | .. | .. |
| Malden, | 34,613 | 10 | 3 | .. | 3 | .. | .. | .. |
| Chelsea, | 33,468 | 10 | 1 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 8 | 3 | .. | 3 | .. | .. | .. |
| Gloucester, | 30,589 | 6 | 2 | 1 | .. | 1 | .. | .. |
| Newton, | 29,716 | 9 | 0 | .. | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 7 | 1 | .. | 1 | .. | .. | .. |
| Taunton, | 28,167 | 18 | 4 | 1 | 3 | .. | .. | .. |
| Everett, | 25,338 | 8 | 1 | 1 | 3 | .. | 1 | .. |
| Quincy, | 23,549 | 12 | 3 | .. | 2 | .. | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 4 | 0 | .. | .. | .. | .. | .. |
| North Adams, | 20,971 | .. | .. | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 11 | 4 | 1 | 3 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 6 | 2 | 1 | .. | .. | .. | 1 |
| Marlborough, | 15,679 | 6 | 4 | 1 | 2 | .. | .. | 1 |
| Newburyport, | 14,915 | .. | .. | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 6 | 1 | .. | 2 | .. | .. | .. |
| Hyde Park, | 12,805 | 2 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 6 | 3 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | 3 | 1 | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 3 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,735,499 | 697 | 182 | 37 | 124 | 5 | 5 | 15 |

## DEATHS FROM PREVALENT DISEASES IN 41 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-seven deaths were reported from the principal infectious diseases: diphtheria and croup, 15; typhoid fever, 5; cerebro-spinal meningitis, 5; erysipelas, 4; diarrhœal diseases, 3; wh oping-cough, 3; measles, 1; puerperal fever, 1.

No deaths were reported from small-pox, scarlet fever, and malarial fever.

There were 124 deaths from acute lung diseases; consumption, 76; and stillbirths, 34.

From erysipelas: Cambridge, Somerville, Springfield and Tauntou, 1 each. From whooping-cough: Boston, 2; Cambridge, 1. From diarrhœal diseases: Fall River, 3. From measles: Boston, 1. From puerperal fever: Chicopee, 1.

Deaths under five years of age numbered 182 as compared with 160 for the preceding week.

Deaths from the principal infectious diseases numbered 37, as compared with 56 for the preceding week.

The death rates for the week were: Boston, 25.28; Worcester, 14.41; Fall River, 23 45; Cambridge, 17.94; Lowell, 21.09; Lynn, 22.59; New Bedford, 24.27; Somerville, 17.82; Lawrence, 23.60; Springfield, 21.16; Holyoke, 14.36; Brockton, 12.55; Salem, 18.33; Chelsea, 15.50; Haverhill,12.98; Gloucester, 13.20; Newton, 15.75; Fitchburg, 11.32; Taunton, 33.22; Everett, 16.40; Quincy, 26.40; Pittsfield, ——; Waltham, 9.54; North Adams, ——; Chicopee, 32.01; Northampton, ——; Medford, 18.84; Marlborough, 19.86; Newburyport, ——; Woburn, ——.

The total death rate for the week was 20.99, as compared with 21.95 and 23.63 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JAN. 28, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, . . . . . | 101 | Measles, . . . . . | 248 |
| Diphtheria and croup, . . . . . | 96 | Typhoid fever, . . . . . | 26 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Jan. 28, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 22, | 29.76 | 39 | 44 | 34 | 68 | 60 | 64 | W. | W. | 8 | 11 | C. | C. | | 0.00 |
| Monday, 23, | 30.10 | 38 | 45 | 31 | 65 | 58 | 62 | N. W. | S. | 10 | 5 | C. | O. | | 0.00 |
| Tuesday, 24, | 29.70 | 42 | 54 | 31 | 91 | 94 | 92 | S. W. | S. | 8 | 14 | C. | R. | | 0.78 |
| Wednes'y, 25, | 29.68 | 38 | 50 | 26 | 89 | 53 | 71 | N. W. | W. | 33 | 16 | O. | C. | | 1.02 |
| Thursday, 26, | 29.84 | 35 | 47 | 23 | 65 | 83 | 74 | S. | S. W. | 12 | 18 | O. | C. | | 0.00 |
| Friday, 27, | 29.80 | 28 | 44 | 12 | 56 | 44 | 50 | W. | W. | 24 | 14 | C. | C. | | 0.00 |
| Saturday, 28, | 30.05 | 16 | 23 | 10 | 78 | 47 | 62 | S. W. | S. W. | 8 | 6 | O. | O. | | 0.00 |
| Week, - - | 29.85 | | 44 | 38 | | | 68 | | | | | | | | 1.80 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Feb. 4, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 5.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseasee returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 4, 1899.

## Deaths reported to the State Board of Health in 34 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 226 | 63 | 12 | 53 | 2 | 3 | 4 |
| Worcester, | 108,240 | 36 | .. | 4 | 6 | 1 | .. | 2 |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 26 | 6 | 1 | 4 | .. | .. | .. |
| Lowell, | 88,641 | 33 | 8 | 2 | 6 | .. | .. | 2 |
| Lynn, | 66,703 | 26 | 3 | 1 | 3 | .. | 1 | .. |
| New Bedford, | 66,340 | 16 | 8 | 1 | 4 | .. | .. | 1 |
| Somerville, | 61,101 | 19 | 4 | 2 | 8 | .. | 2 | .. |
| Lawrence, | 57,263 | 31 | 12 | 4 | 6 | .. | .. | 2 |
| Springfield, | 56,501 | 18 | 2 | .. | 6 | .. | .. | .. |
| Holyoke, | 43,424 | 15 | 5 | 4 | .. | 3 | 1 | .. |
| Brockton, | 37,278 | 8 | 1 | .. | 1 | .. | .. | .. |
| Salem, | 36,883 | 12 | 2 | .. | 1 | .. | .. | .. |
| Malden, | 34,613 | 11 | 1 | .. | 3 | .. | .. | .. |
| Chelsea, | 33,468 | 19 | 1 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 10 | 3 | 1 | 1 | .. | .. | .. |
| Gloucester, | 30,589 | 5 | 0 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 12 | 0 | 1 | 4 | .. | .. | 1 |
| Fitchburg, | 29,438 | 13 | 3 | 1 | 1 | .. | .. | .. |
| Taunton, | 28,167 | 18 | 6 | .. | 4 | .. | .. | .. |
| Everett, | 25,338 | 8 | 2 | .. | 2 | .. | .. | .. |
| Quincy, | 23,549 | 7 | 3 | .. | 5 | .. | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 6 | 2 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 5 | 2 | 1 | 1 | .. | .. | .. |
| Brookline, | 18,600 | 4 | 0 | .. | 2 | .. | .. | .. |
| Chicopee, | 17,842 | 4 | 0 | .. | .. | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 1 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | 4 | 1 | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 7 | 1 | .. | 1 | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 5 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 4 | 2 | .. | 3 | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 5 | 0 | 2 | .. | .. | 1 | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 3 | 0 | .. | 1 | .. | .. | .. |
| Peabody, | 10,716 | 1 | 0 | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 6 | 1 | 4 | 2 | 4 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,715,243 | 624 | 143 | 41 | 129 | 10 | 8 | 12 |

## DEATHS FROM PREVALENT DISEASES IN 34 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-one deaths were reported from the principal infectious diseases: diphtheria and croup, 12; cerebro-spinal meningitis, 10; typhoid fever, 8; whooping-cough, 4; diarrhœal diseases, 3; erysipelas, 2; scarlet fever, 1; measles, 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 129 deaths from acute lung diseases; consumption, 78; and stillbirths, 32.

From whooping-cough: Boston, Cambridge, Haverhill and Fitchburg, 1 each. From diarrhœal diseases: Worcester 1, Lawrence, 2. From erysipelas: Boston and Clinton, 1 each. From scarlet fever: Boston, 1. From measles: North Adams, 1.

Deaths under five years of age numbered 143 as compared with 182 for the preceding week.

Deaths from the principal infectious diseases numbered 41, as compared with 37 for the preceding week.

The death rates for the week were: Boston, 22.23; Worcester, 17.30; Fall River, ——; Cambridge, 15.05; Lowell, 19.33; Lynn, 20.25; New Bedford, 12.52; Somerville, 16.16; Lawrence, 28.14; Springfield, 16.56; Holyoke, 17.75; Brockton, 11.16; Salem, 16.92; Malden, 16.52; Chelsea, 29.45; Haverhill, 16.23; Gloucester, 8.75; Newton, 21.06; Fitchburg, 22.88; Taunton, 33.22; Everett, 16.40; Quincy, 15.40; Pittsfield, ——; Waltham, 14.28; North Adams, 12.60; Chicopee, 11.64; Medford, 3.14; Marlborough, 13.24; Newburyport, 24.36; Woburn, ——.

The total death rate for the week was 18.91, as compared with 21.95 and 20.99 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEB. 4, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 89 | Measles, | 230 |
| Diphtheria and croup, | 109 | Typhoid fever, | 20 |
| Small-pox, | 1. | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Feb. 4, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 29, | 29.94 | 22 | 28 | 16 | 66 | 37 | 52 | W. | N. W. | 12 | 12 | C. | F. | | 0.00 |
| Monday, 30, | 30.06 | 22 | 32 | 12 | 51 | 45 | 48 | W. | N. W. | 8 | 10 | C. | F. | | 0.00 |
| Tuesday, 31, | 30.06 | 20 | 26 | 14 | 81 | 54 | 68 | N. | N. | 8 | 12 | O. | O. | | 0.00 |
| Wednes'y, 1, | 30.18 | 17 | 20 | 10 | 75 | 39 | 57 | N. W. | W. | 12 | 8 | C. | O. | | 0.03 |
| Thursday, 2, | 30.24 | 21 | 28 | 14 | 58 | 43 | 50 | W. | S. | 8 | 6 | F. | O. | | 0.00 |
| Friday, 3, | 30.04 | 27 | 32 | 22 | 87 | 98 | 92 | E. | E. | 4 | 10 | C. | R. | | 0.33 |
| Saturday, 4, | 29.90 | 30 | 36 | 23 | 95 | 60 | 78 | N. W. | N. W. | 8 | 18 | N. | O. | | 0.36 |
| Week, - - | 30.06 | | 29 | 16 | | | 62 | | | | | | | | 0.72 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Feb. 11, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 6.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 11, 1899.

## Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Whooping-cough. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
| Boston, | 528,463 | 229 | 56 | 7 | 46 | 2 | 1 | 3 |
| Worcester, | 108,240 | 39 | 10 | 2 | 8 | .. | 2 | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 25 | 7 | 1 | 4 | .. | .. | .. |
| Lowell, | 88,641 | 36 | 10 | 2 | 5 | .. | .. | 1 |
| Lynn, | 66,703 | 19 | 2 | .. | 2 | .. | .. | .. |
| New Bedford, | 66,340 | 27 | 13 | 1 | 2 | .. | .. | 1 |
| Somerville, | 61,101 | 10 | 2 | .. | 3 | .. | .. | .. |
| Lawrence, | 57,263 | 22 | 13 | 4 | 2 | 1 | .. | 2 |
| Springfield, | 56,501 | 15 | 4 | .. | 7 | .. | .. | .. |
| Holyoke, | 43,424 | 11 | 3 | 4 | .. | .. | 2 | 1 |
| Brockton, | 37,278 | 10 | 5 | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 10 | 2 | .. | 3 | .. | .. | .. |
| Malden, | 34,613 | 12 | .. | .. | 2 | .. | .. | .. |
| Chelsea, | 33,468 | 11 | 2 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 15 | .. | 3 | 3 | .. | .. | 1 |
| Gloucester, | 30,589 | 10 | 3 | 2 | .. | 1 | 1 | .. |
| Newton, | 29,716 | 9 | 0 | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | 11 | 2 | .. | 1 | .. | .. | .. |
| Taunton, | 28,167 | 10 | 0 | 1 | 2 | .. | .. | .. |
| Everett, | 25,338 | 5 | 0 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 9 | 3 | 2 | 2 | 2 | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 4 | 2 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 4 | 2 | .. | 2 | .. | .. | .. |
| Brookline, | 18,600 | 5 | 2 | .. | 4 | .. | .. | .. |
| Chicopee, | 17,842 | 4 | 1 | .. | 1 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 4 | 3 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,679 | 3 | 0 | 1 | 1 | 1 | .. | .. |
| Newburyport, | 14,915 | .. | .. | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 6 | 2 | .. | 3 | .. | .. | .. |
| Hyde Park, | 12,805 | 4 | 1 | .. | 1 | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 3 | 0 | .. | 2 | .. | .. | .. |
| Peabody, | 10,716 | 3 | 2 | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | 8 | 3 | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 4 | 1 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Whooping-cough. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,686,663 | 597 | 156 | 30 | 108 | 7 | 6 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty deaths were reported from the principal infectious diseases: diphtheria and croup, 9; whooping-cough, 7; cerebro-spinal meningitis, 6; typhoid fever, 4; diarrhœal diseases, 3; scarlet fever, 1.

No deaths were reported from small-pox, measles, erysipelas, puerperal fever and malarial fever.

There were 108 deaths from acute lung diseases; consumption, 54; and stillbirths, 44.

From typhoid fever: Haverhill, 2, Lawrence and Taunton, 1 each. From diarrhœal diseases: Cambridge, Lowell and Holyoke, 1 each. From scarlet fever: Marlborough, 1.

Deaths under five years of age numbered 156 as compared with 143 for the preceding week.

Deaths from the principal infectious diseases numbered 30, as compared with 41 for the preceding week.

The death rates for the week were: Boston, 22.53; Worcester, 18.73; Fall River, ——; Cambridge, 14.47; Lowell, 21.09; Lynn, 14.80; New Bedford, 21.14; Somerville, 8.51; Lawrence, 19.97; Springfield, 13.80; Holyoke, 13.16; Brockton, 13.95; Salem, 14.10; Malden, 18.02; Chelsea, 17.05; Haverhill, 24.34; Gloucester, 17.00; Newton, 15.75; Fitchburg, 19.36; Taunton, 18.46; Everett, 10.25; Quincy, 19.80; Pittsfield, ——; Waltham, 9.53; North Adams, 10.08; Chicopee, 11.64; Northampton, ——; Medford, 12.56; Marlborough, ——; Newburyport, ——; Woburn, ——.

The total death rate for the week was 18.40, as compared with 18.91 and 20.99 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEB. 11, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 85 | Measles, | 328 |
| Diphtheria and croup, | 120 | Typhoid fever, | 19 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Feb. 11, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 5, | 30.16 | 20 | 25 | 15 | 58 | 86 | 72 | N. W. | N. W. | 7 | 5 | | O. | O. | | | 0.04 |
| Monday, 6, | 30.09 | 24 | 29 | 20 | 79 | 48 | 64 | N. | E. | 8 | 3 | | O. | O. | | | 0.00 |
| Tuesday, 7, | 29.96 | 24 | 27 | 20 | 92 | 90 | 91 | N. | N. E. | 15 | 8 | | N. | N. | | | 0.15 |
| Wednes'y, 8, | 29.48 | 20 | 30 | 11 | 91 | 86 | 88 | N. E. | W. | 27 | 10 | | N. | C. | | | 0.22 |
| Thursday, 9, | 29.79 | 8 | 17 | 0 | 58 | 71 | 64 | W. | S. W. | 20 | 24 | | C. | C. | | | 0.00 |
| Friday, 10, | 30.11 | 4 | 10 | 2 | 60 | 51 | 56 | W. | W. | 21 | 24 | | C. | C. | | | 0.00 |
| Saturday, 11, | 30.44 | 4 | 11 | 4 | 55 | 45 | 50 | W. | W. | 20 | 15 | | C. | F. | | | 0.00 |
| Week, - - | 30.00 | | 21 | 8 | | | 69 | | | | | | | | | | 0.41 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the mouth of January.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 320 | 162 | 482 | Maple Syrup, . . | 5 | 1 | 6 |
| Butter, . . . | 24 | 0 | 24 | Condensed Milk, . | 8 | 0 | 8 |
| Cheese, . . . | 3 | 0 | 3 | Houey, . . . | 6 | 0 | 6 |
| Lard, . . . | 1 | 0 | 1 | Tea, . . . | 1 | 3 | 4 |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | 14 | 1 | 15 |
| Vinegar, . . . | 1 | 0 | 1 | Cocoa, . . . | 0 | 3 | 3 |
| Spices, . . . | 100 | 14 | 114 | Confectionery, . | 5 | 0 | 5 |
| Cream of Tartar, . | 24 | 0 | 24 | Other articles of Food and Drinks, | 5 | 1 | 6 |
| Molasses, . . . | 4 | 0 | 4 | Toys, . . . | 2 | 4 | 6 |
| Syrups, . . . | .. | .. | .. | Drugs, . . . | 24 | 20 | 44 |
| Maple Sugar, . . | 3 | 0 | 3 | | | | |
| | | | | Totals, . . | 550 | 209 | 759 |

Percentage of adulteration, 27.5. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 33.5 per cent., while the percentages of articles of food was 11.1 per cent.

Four complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. All of these were for violation of the statutes relative to the sale of Milk. Fines were imposed amounting to $200.

The samples of drugs found to be adulterated were Cayenne Pepper, Distilled Water, Extract of Liquorice, Olive Oil, Tincture of Iodine and Tincture of Opium.

Cities and towns from which samples of food were collected were Boston, Fall River, Worcester, Cambridge, Somerville, Lawrence, Brockton, Salem, Chelsea, Haverhill, Gloucester, Newton, Taunton, Quincy, Medford, Woburn, Attleboro, Beverly, Dedham, Manchester, Revere, Stoneham, Winchester and Winthrop.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Feb. 18, 1899.

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VOL. XVII. No. 7.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Feb. 18, 1899.

## Deaths reported to the State Board of Health in 35 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 213 | 65 | 20 | 53 | 1 | 2 | 11 |
| Worcester, | 108,240 | 35 | 13 | 1 | 6 | 1 | .. | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 38 | 8 | 2 | 9 | .. | .. | 1 |
| Lowell, | 88,641 | 32 | 10 | .. | 4 | .. | .. | .. |
| Lynn, | 66,703 | 21 | 4 | 1 | 3 | 1 | .. | .. |
| New Bedford, | 66,340 | 33 | 8 | 3 | 5 | 1 | .. | 1 |
| Somerville, | 61,101 | 20 | 3 | 1 | 5 | .. | .. | 1 |
| Lawrence, | 57,263 | 24 | 10 | 4 | 3 | .. | 1 | 2 |
| Springfield, | 56,501 | 17 | 6 | 3 | 4 | .. | 1 | 1 |
| Holyoke, | 43,424 | 16 | 9 | 2 | 3 | 2 | .. | .. |
| Brockton, | 37,278 | 12 | 4 | .. | 2 | .. | .. | .. |
| Salem, | 36,883 | 18 | .. | .. | 3 | .. | .. | .. |
| Malden, | 34,613 | 10 | 1 | 1 | 2 | .. | .. | 1 |
| Chelsea, | 33,468 | 11 | 2 | 2 | .. | 1 | .. | .. |
| Haverhill, | 32,022 | 16 | 2 | 7 | 5 | .. | 1 | 2 |
| Gloucester, | 30,589 | 10 | 3 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 9 | 0 | .. | 2 | .. | .. | .. |
| Fitchburg, | 29,438 | 5 | 1 | .. | .. | .. | .. | .. |
| Taunton, | 28,167 | 21 | 2 | 3 | 3 | .. | 1 | 1 |
| Everett, | 25,338 | 4 | 3 | 1 | 1 | .. | .. | 1 |
| Quincy, | 23,549 | 6 | 2 | .. | 2 | .. | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 11 | 3 | .. | .. | .. | .. | .. |
| North Adams, | 20,971 | 10 | 2 | .. | 1 | .. | .. | .. |
| Brookline, | 18,600 | 5 | 1 | .. | 2 | .. | .. | .. |
| Chicopee, | 17,842 | 9 | 2 | .. | 3 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 6 | 0 | 2 | .. | .. | 1 | 1 |
| Marlborough, | 15,679 | 11 | 1 | .. | 2 | .. | .. | .. |
| Newburyport, | 14,915 | 5 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 2 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 4 | 1 | .. | 3 | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 5 | 1 | .. | 2 | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 1 | 0 | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | 2 | 1 | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | 3 | 0 | .. | 1 | .. | .. | .. |
| Amesbury, | 10,098 | 6 | 1 | 1 | 1 | .. | 1 | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,725,618 | 631 | 169 | 54 | 130 | 7 | 8 | 23 |

## DEATHS FROM PREVALENT DISEASES IN 35 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 23; typhoid fever, 8; cerebro-spinal meningitis, 7; diarrhœal diseases, erysipelas and scarlet fever, 4 each; whooping-cough, 2; measles and puerperal fever, 1 each.

No deaths were reported from small-pox, and malarial fever.

There were 128 deaths from acute lung diseases; consumption, 54; and stillbirths, 40.

From diarrhœal diseases: Haverhill, 2; Boston and New Bedford, 1 each. From erysipelas: Boston, Springfield, Haverhill and Taunton, 1 each. From scarlet fever: Boston, 2; Cambridge, and Chelsea, 1 each. From whooping-cough: Boston and Haverhill, 1 each. From measles: Lawrence, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 169 as compared with 156 for the preceding week.

Deaths from the principal infectious diseases numbered 54, as compared with 30 for the preceding week.

The death rates for the week were: Boston, 20.95; Worcester, 16.81; Fall River, ——; Cambridge, 22.00; Lowell, 18.75; Lynn, 16.35; New Bedford, 25.84; Somerville, 17.02; Lawrence, 21.79; Springfield, 15.64; Holyoke, 19.15; Brockton, 16.74; Salem, 25.38; Malden, ——; Chelsea, 17.08; Haverhill, 25.96; Gloucester, 17.00; Newton, 15.75; Fitchburg, 8.80; Taunton, 38.76; Everett, 8.20; Quincy, 13.20; Pittsfield, ——; Waltham, 26.22; North Adams, 25.20; Chicopee, 26.91; Northampton, ——; Medford, 18.84; Marlborough, 36.41; Newburyport, 17.40; Woburn, ——.

The total death rate for the week was 19.01, as compared with 18.40 and 18.91 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEB. 18, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 90 | Measles, | 319 |
| Diphtheria and croup, | 79 | Typhoid fever, | 15 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Feb. 18, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 12, | 30.39 | 6 | 10 | 2 | 89 | 91 | 90 | N. W. | N. W. | 10 | 10 | | N. | N. | | | 0.16 |
| Monday, 13, | 29.52 | 12 | 16 | 7 | 91 | 100 | 96 | N. | N. | 21 | 30 | | N. | N. | | | 0.81 |
| Tuesday, 14, | 29.86 | 20 | 27 | 13 | 65 | 49 | 57 | N. W. | W. | 24 | 12 | | F. | C. | | | 0.11 |
| Wednes'y, 15, | 30.46 | 22 | 34 | 9 | 82 | 50 | 66 | W. | S. W. | 12 | 14 | | C. | O. | | | 0.00 |
| Thursday, 16, | 30.21 | 34 | 42 | 25 | 57 | 62 | 60 | W. | S. E. | 7 | 5 | | O. | O. | | | 0.00 |
| Friday, 17, | 29.89 | 42 | 50 | 33 | 85 | 72 | 78 | N. W. | S. W. | 10 | 12 | | O. | R. | | | 0.22 |
| Saturday, 18, | 29.82 | 43 | 51 | 35 | 88 | 92 | 90 | S. W. | S. W. | 7 | 13 | | C. | R. | | | 0.09 |
| Week, - - | 30.02 | | 23 | 18 | | | 77 | | | | | | | | | | 1.39 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

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# MASSACHUSETTS

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# MORTALITY OF MASSACHUSETTS

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|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Whooping-cough. | Diphtheria and Croup. |
| Boston, | 528,463 | 255 | 72 | 15 | 63 | 1 | 3 | 7 |
| Worcester, | 108,240 | 41 | 14 | 3 | 8 | 1 | .. | 1 |
| Fall River, | 95,919 | 58 | 22 | 7 | 7 | 6 | 1 | .. |
| Cambridge, | 89,724 | 39 | 15 | 6 | 7 | 1 | 3 | 2 |
| Lowell, | 88,641 | 46 | 17 | 3 | 10 | .. | .. | 2 |
| Lynn, | 66,703 | 22 | 4 | .. | 5 | .. | .. | .. |
| New Bedford, | 66,340 | 31 | 10 | 1 | 7 | .. | .. | 1 |
| Somerville, | 61,101 | 16 | 5 | 1 | 2 | .. | .. | .. |
| Lawrence, | 57,263 | 29 | 15 | 2 | 9 | .. | 1 | .. |
| Springfield, | 56,501 | 24 | 6 | 4 | 2 | 1 | .. | 1 |
| Holyoke, | 43,424 | 14 | 7 | 1 | .. | .. | 1 | .. |
| Brockton, | 37,278 | 6 | 0 | .. | 1 | .. | .. | .. |
| Salem, | 36,883 | 12 | 3 | .. | 3 | .. | .. | .. |
| Malden, | 34,613 | 4 | 2 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 10 | 4 | 2 | .. | .. | .. | .. |
| Haverhill, | 32,022 | 15 | 8 | 1 | 3 | .. | .. | .. |
| Gloucester, | 30,589 | 7 | 3 | 1 | .. | .. | .. | .. |
| Newton, | 29,716 | 10 | .. | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | 12 | 4 | .. | 1 | .. | .. | .. |
| Taunton, | 28,167 | 17 | 2 | 1 | 4 | .. | .. | .. |
| Everett, | 25,338 | 5 | 2 | .. | 3 | .. | .. | .. |
| Quincy, | 23,549 | 8 | 4 | .. | 2 | .. | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 8 | 5 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 9 | 0 | .. | 2 | .. | .. | .. |
| Brookline, | 18,600 | 5 | 3 | .. | 1 | .. | .. | .. |
| Chicopee, | 17,842 | 8 | 0 | .. | 1 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 3 | 1 | 2 | .. | .. | 1 |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 4 | 0 | .. | 2 | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 4 | 0 | 1 | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 2 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 5 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 3 | 0 | .. | 1 | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 1 | 1 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Whooping-cough. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,774,767 | 733 | 231 | 50 | 147 | 10 | 9 | 15 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty deaths were reported from the principal infectious diseases: diphtheria and croup, 15; diarrhœal diseases, 10; whooping-cough, 9; cerebro-spinal meningitis, 6; typhoid fever, 4; erysipelas, 3; scarlet fever, measles and puerperal fever, each 1.

No deaths were reported from small-pox, and malarial fever.

There were 147 deaths from acute lung diseases; consumption, 78; and stillbirths, 44.

From cerebro-spinal meningitis: Boston, 2; Worcester, Somerville, Chelsea, and Gloucester, 1 each. From typhoid fever: Boston, Lawrence, Springfield and Haverhill, 1 each. From erysipelas: Boston, Chelsea and Taunton, 1 each. From scarlet fever: Melrose, 1. From measles: Lowell, 1. From puerperal fever: Springfield, 1.

Deaths under five years of age numbered 231 as compared with 169 for the preceding week.

Deaths from the principal infectious diseases numbered 50, as compared with 54 for the preceding week.

The death rates for the week were: Boston, 25.09; Worcester, 19.69; Fall River, 30.91; Cambridge, 22.58; Lowell, 26.85; Lynn, 17.13; New Bedford, 24.27; Somerville, 13.61; Lawrence, 26.33; Springfield, 22.08; Holyoke, 16.75; Brockton, 8.37; Salem, 16.92; Malden, 6.00; Chelsea, 15.50; Haverhill, 24.34; Gloucester, 11.90; Newton, 17.50; Fitchburg, 21.12; Taunton, 31.38; Everett, 10.25; Quincy, 17.60; Pittsfield, ——; Waltham, 19.07; North Adams, 22.68; Chicopee, 23.28; Northampton, ——; Medford, 9.42; Marlborough, ——; Newburyport, 13.92; Woburn, ——.

The total death rate for the week was 21.47, as compared with 19.01 and 18.40 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING FEB. 25, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 101 | Measles, | 298 |
| Diphtheria and croup, | 90 | Typhoid fever, | 9 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Feb. 18, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 19, | 29.61 | 40 | 45 | 34 | 83 | 55 | 69 | W. | W. | 13 | 12 | C. | F. | | 0.34 |
| Monday, 20, | 29.63 | 44 | 54 | 34 | 62 | 55 | 58 | S. W. | S. W. | 12 | 9 | O. | C. | | 0.00 |
| Tuesday, 21, | 29.75 | 42 | 51 | 33 | 64 | 81 | 72 | S. W. | E. | 5 | 8 | F. | O. | | T. |
| Wednes'y, 22, | 29.54 | 42 | 50 | 33 | 95 | 78 | 86 | S. | S. W. | 8 | 11 | O. | O. | | 0.01 |
| Thursday, 23, | 29.65 | 40 | 47 | 32 | 72 | 63 | 68 | W. | W. | 12 | 16 | C. | C. | | 0.00 |
| Friday, 24, | 30.07 | 32 | 37 | 27 | 43 | 49 | 46 | W. | W. | 14 | 14 | C. | C. | | 0.00 |
| Saturday, 25, | 30.44 | 29 | 38 | 20 | 36 | 51 | 44 | N. W. | N. W. | 12 | 10 | C. | C. | | 0.00 |
| Week, - - | 29.81 | | 46 | 30 | | | 63 | | | | | | | | 0.35 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, March 4, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 9.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending March 4, 1899.

## Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Scarlet Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 187 | 52 | 11 | 49 | 2 | 3 | 2 |
| Worcester, | 108,240 | 34 | 13 | 3 | 10 | 3 | .. | .. |
| Fall River, | 95,919 | 38 | 19 | 1 | 5 | .. | .. | .. |
| Cambridge, | 89,724 | 26 | 7 | .. | 6 | .. | .. | .. |
| Lowell, | 88,641 | 26 | 7 | 1 | 8 | .. | .. | .. |
| Lynn, | 66,703 | 15 | 0 | .. | .. | .. | .. | .. |
| New Bedford, | 66,340 | 20 | 7 | .. | 2 | .. | .. | .. |
| Somerville, | 61,101 | 13 | 4 | 1 | 2 | .. | .. | 1 |
| Lawrence, | 57,263 | 30 | 12 | 3 | 7 | .. | .. | 1 |
| Springfield, | 56,501 | 19 | 7 | 2 | 5 | .. | 1 | 1 |
| Holyoke, | 43,424 | 10 | 6 | 1 | 2 | 1 | .. | .. |
| Brockton, | 37,278 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 12 | 2 | .. | .. | .. | .. | .. |
| Malden, | 34,613 | 9 | 0 | .. | 1 | .. | .. | .. |
| Chelsea, | 33,468 | 14 | 6 | 2 | .. | 1 | .. | 1 |
| Haverhill, | 32,022 | 14 | .. | .. | 2 | .. | .. | .. |
| Gloucester, | 30,589 | 10 | 1 | 2 | .. | 1 | .. | .. |
| Newton, | 29,716 | 8 | 2 | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | 14 | 4 | .. | 2 | .. | .. | .. |
| Taunton, | 28,167 | 10 | 1 | .. | 1 | .. | .. | .. |
| Everett, | 25,338 | 7 | 3 | 1 | 1 | 1 | .. | .. |
| Quincy, | 23,549 | 9 | 2 | 1 | 1 | 1 | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 3 | 1 | .. | .. | .. | .. | .. |
| North Adams, | 20,971 | 6 | 3 | 1 | .. | .. | .. | .. |
| Brookline, | 18,600 | 6 | 2 | .. | 2 | .. | .. | .. |
| Chicopee, | 17,842 | 8 | 3 | .. | 3 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 2 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | 4 | 0 | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 2 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 2 | 0 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | .. | .. | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | 2 | 1 | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Scarlet Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,717,664 | 560 | 165 | 30 | 110 | 10 | 4 | 6 |

## DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 10; diphtheria and croup, 6; scarlet fever, 4; diarrhœal diseases, 3; typhoid fever, 3; erysipelas, 2; whooping-cough, 2.

No deaths were reported from small-pox, measles, puerperal fever and malarial fever.

There were 110 deaths from acute lung diseases; consumption, 46; and stillbirths, 39.

From diarrhœal diseases: Boston, Fall River and Lawrence, 1 each. From typhoid fever: Boston, Lowell and Lawrence, 1 each. From erysipelas: Boston, 2. From whooping-cough: Boston and Gloucester, 1 each.

Deaths under five years of age numbered 165 as compared with 231 for the preceding week.

Deaths from the principal infectious diseases numbered 30, as compared with 50 for the preceding week.

The death rates for the week were: Boston, 18.40; Worcester, 16.33; Fall River, 20.25; Cambridge, 15.05; Lowell, 15.23; Lynn, 11.68; New Bedford, 15.66; Somerville, 11.06; Lawrence, 27.24; Springfield, 17.48; Holyoke, —— ; Brockton, —— ; Salem, 16.92; Malden, 12.51; Chelsea, 21.70; Haverhill, 21.72; Gloucester, 17.00; Newton, 14.00; Fitchburg, 24.64; Taunton, 18.46; Everett, 14.35; Quincy, 19.80; Pittsfield, ——; Waltham, 7.13; North Adams, 15.12; Chicopee, 23.28; Northampton, —— ; Medford, 6.28; Marlborough, 13.24; Newburyport, 6.98; Woburn, ——.

The death rate for the week was 16.95, as compared with 21.47 and 19.01 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MARCH 4, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 74 | Measles, | 155 |
| Diphtheria and croup, | 41 | Typhoid fever, | 27 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, March 4, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, Feb. 26, | 30.46 | 30 | 38 | 23 | 53 | 85 | 69 | N. | S. | 4 | 14 | | O. | R. | | 0.05 |
| Monday, 27, | 29.76 | 44 | 53 | 24 | 97 | 58 | 77 | S. | W. | 21 | 24 | | R. | C. | | 0.11 |
| Tuesday, 28, | 29.99 | 36 | 45 | 28 | 57 | 63 | 60 | W. | S. | 13 | 13 | | C. | O. | | 0.00 |
| Wednes'y, Mar. 1, | 29.87 | 39 | 47 | 31 | 79 | 46 | 62 | S. W. | W. | 9 | 9 | | O. | C. | | 0.00 |
| Thursday, 2, | 30.12 | 34 | 38 | 30 | 64 | 100 | 82 | N. E. | N. E. | 6 | 20 | | O. | N. | | 0.25 |
| Friday, 3, | 30.15 | 32 | 36 | 29 | 100 | 95 | 97 | N. | N. E. | 15 | 10 | | N. | R. | | 0.29 |
| Saturday, 4, | 30.10 | 34 | 36 | 33 | 100 | 100 | 100 | E. | N. E. | 10 | 11 | | R. | O. | | 0.01 |
| Week, - - | 30.06 | | 42 | 29 | | | 78 | | | | | | | | | 0.71 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, March 11, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 10.

**Entered at the post-office at Boston as second-class matter.**

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

## STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary*.

# MORTALITY OF MASSACHUSETTS

For the Week ending March 11, 1899.

## Deaths reported to the State Board of Health in 34 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infections Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Whooping-cough. | Diphtheria and Croup. |
| Boston, | 528,463 | 235 | 72 | 19 | 49 | 1 | 6 | 4 |
| Worcester, | 108.240 | 26 | 7 | 1 | 6 | 1 | .. | .. |
| Fall River, | 95,919 | 41 | 5 | 2 | 14 | .. | .. | .. |
| Cambridge, | 89,724 | 20 | 3 | 1 | 2 | .. | .. | 1 |
| Lowell, | 88,641 | 30 | 5 | 1 | 5 | 1 | .. | .. |
| Lynn, | 66,703 | 11 | 2 | .. | 1 | .. | .. | .. |
| New Bedford, | 66,340 | 32 | 9 | 1 | .. | .. | .. | .. |
| Somerville, | 61,101 | 12 | 2 | 3 | .. | 2 | .. | .. |
| Lawrence, | 57,263 | 25 | 10 | 1 | 5 | .. | .. | 1 |
| Springfield, | 56,501 | 17 | 2 | 1 | 3 | .. | .. | .. |
| Holyoke, | 43,424 | 14 | 9 | 3 | 1 | 2 | .. | 1 |
| Brockton, | 37,278 | 7 | 3 | .. | 1 | .. | .. | .. |
| Salem, | 36,883 | 13 | 6 | 1 | 2 | .. | .. | .. |
| Malden, | 34,613 | 9 | 1 | .. | 1 | .. | .. | .. |
| Chelsea, | 33,468 | 11 | 3 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 11 | 0 | .. | 1 | .. | .. | .. |
| Gloucester, | 30,589 | 5 | 1 | 1 | .. | .. | .. | .. |
| Newton, | 29,716 | 7 | 2 | .. | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 5 | 1 | .. | 1 | .. | .. | .. |
| Taunton, | 28,167 | 10 | 3 | .. | 3 | .. | .. | .. |
| Everett, | 25,338 | 5 | 1 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 12 | 3 | 2 | 2 | 1 | .. | .. |
| Pittsfield, | 22,643 | 3 | 1 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 2 | 2 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 4 | 1 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | 4 | 0 | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 3 | 0 | .. | .. | .. | .. | .. |
| Northampton, | 17.799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | 5 | 1 | .. | 1 | .. | .. | .. |
| Newburyport, | 14,915 | 1 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14.032 | 6 | 1 | 1 | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 5 | 1 | .. | 1 | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 2 | 1 | 1 | .. | .. | 1 | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 3 | 0 | .. | 1 | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Whooping-cough. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,802,991 | 587 | 155 | 39 | 101 | 8 | 7 | 7 |

## DEATHS FROM PREVALENT DISEASES IN 34 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-nine deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 8; diphtheria and croup, 7; whooping-cough, 7; diarrhœal diseases, 6; typhoid fever, 4; scarlet fever, 4; erysipelas, 3.

There were 101 deaths from acute lung diseases; consumption, 67; and stillbirths, 36.

No deaths were reported from small-pox, puerperal fever, measles and malarial fever.

From diarrhœal diseases: Fall River, 2; New Bedford, Somerville and Springfield, 1 each. From typhoid fever: Boston, 3; Gloucester, 1. From erysipelas: Boston, 2; Quincy, 1. From scarlet fever: Boston, 2; Salem and Melrose, 1 each.

Deaths under five years of age numbered 155 as compared with 165 for the preceding week.

Deaths from the principal infectious diseases numbered 39, as compared with 30 for the preceding week.

The death rates for the week were: Boston, 23.12; Worcester, 12.49; Fall River, 21.85; Cambridge, 11.58; Lowell, 17.58; Lynn, 8.56; New Bedford, 25.05; Somerville, 10.21; Lawrence, 22.70; Springfield, 15.64; Holyoke, 16.75; Brockton, 9.76; Salem, 18.33; Malden, 13.51; Chelsea, 17.05; Haverhill, 17.85; Gloucester, 8.50; Newton, 12.25; Fitchburg, 8.80; Taunton, 18.46; Everett, 10.25; Quincy, 26.40; Pittsfield, 6 88; Waltham, 4.76; North Adams, 10.08; Chicopee, 8.73; Northampton, ——; Medford, 9.42; Marlborough, 16.55; Newburyport, 3.48; Woburn, ——.

The death rate for the week was 16.92, as compared with 16.95 and 21.47 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MARCH 11, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 88 | Measles, | 409 |
| Diphtheria and croup, | 74 | Typhoid fever, | 23 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, March 11, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 5, | 29.56 | 47 | 58 | 36 | 98 | 88 | 93 | E. | S. W. | 14 | 28 | | R. | O. | | 0.52 |
| Monday. 6, | 30.01 | 40 | 47 | 33 | 85 | 74 | 80 | W. | E. | 12 | 10 | | C. | C. | | 0.00 |
| Tuesday, 7, | 29.44 | 34 | 44 | 25 | 98 | 92 | 95 | N. E. | N. W. | 56 | 12 | | N. | N. | | 0.44 |
| Wednes'y, 8, | 30.02 | 29 | 37 | 21 | 71 | 76 | 73 | N. W. | W. | 24 | 16 | | C. | C. | | T |
| Thursday, 9, | 30.18 | 29 | 36 | 22 | 62 | 77 | 69 | W. | S. | 10 | 6 | | F. | N. | | T |
| Friday, 10, | 30.38 | 28 | 33 | 23 | 78 | 64 | 71 | N. | S. E. | 10 | 8 | | C. | C. | | T |
| Saturday, 11, | 30.24 | 38 | 46 | 29 | 73 | 88 | 80 | S. | S. W. | 14 | 15 | | O. | O. | | T |
| Week, - - | 29.98 | | 43 | 27 | | | 80 | | | | | | | | | 0.96 |

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of February.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 275 | 160 | 435 | Maple Syrup, . . | 11 | 2 | 13 |
| Butter, . . . | 20 | 0 | 20 | Canned Goods, . | 0 | 8 | 8 |
| Cheese, . . . | 4 | 0 | 4 | Houey, . . . | 5 | 2 | 7 |
| Lard, . . . | 2 | 0 | 2 | Tea, . . . | 4 | 2 | 6 |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | 10 | 1 | 11 |
| Vinegar, . . . | .. | .. | .. | Cocoa, . . . | 0 | 1 | 1 |
| Spices, . . . | 82 | 13 | 95 | Confectionery, . | 8 | 1 | 9 |
| Cream of Tartar, . | 31 | 0 | 31 | Other articles of Food and Drinks, | 5 | 3 | 8 |
| Molasses, . . . | 3 | 0 | 3 | Drugs, . . . | 38 | 21 | 59 |
| Syrups, . . . | .. | .. | .. | | | | |
| Maple Sugar, . . | 2 | 0 | 2 | | | | |
| | | | | Totals, . . | 500 | 214 | 714 |

Percentage of adulteration, 30.0. The actual ratio of adulteration is very much less than this, since it is ouly suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little iuspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 36.8 per cent., while the percentages of articles of food was 15.0 per ceut.

Five complaints were entered in the courts duriug the mouth for violation of the laws relative to the inspection of Food and Drugs. Two of these were for violation of the statutes relative to the sale of Pepper. Allspicc, Cloves and Milk, each one. Fines were imposed amouuting to $100.

The samples of drugs fouud to be adultcrated were Bitartrate of Potassium, Chlorinated Lime, Distilled Water, Ether, Gin, Olive Oil, Red Wine, Tartaric Acid, Tincture of Iodine, Whiskey and Red Wine.

Cities aud towns from which samples of food were collected were Boston, Fall River, Cambridge, New Bedford, Somervillc, Lawrence, Salem, Malden, Chelsea, Gloucester, Newton, Fitchburg, Everett, Waltham, North Adams, Amherst, Brookline, Dedham, Hyde Park, Natick, Norwood, Stoneham, Wakefield and Watertown.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, March 18, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 11.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acte is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary*.

# MORTALITY OF MASSACHUSETTS

For the Week ending March 18, 1899.

## Deaths reported to the State Board of Health in 37 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
| Boston, | 528,463 | 195 | 62 | 16 | 39 | 1 | 2 | 5 |
| Worcester, | 108,240 | 29 | 13 | 5 | 8 | 2 | 3 | .. |
| Fall River, | 95,919 | 30 | 12 | 3 | 10 | 2 | .. | .. |
| Cambridge, | 89,724 | 27 | 4 | .. | 3 | .. | .. | .. |
| Lowell, | 88,641 | 33 | 12 | 1 | 11 | .. | .. | .. |
| Lynn, | 66,703 | 18 | 3 | 1 | 3 | .. | .. | .. |
| New Bedford, | 66,340 | 29 | 10 | 2 | 3 | 1 | .. | 1 |
| Somerville, | 61,101 | 18 | 6 | .. | 4 | .. | .. | .. |
| Lawrence, | 57,263 | 22 | 9 | 2 | 4 | .. | .. | .. |
| Springfield, | 56,501 | 23 | 6 | 1 | 3 | .. | .. | .. |
| Holyoke, | 43,424 | 9 | 4 | 1 | 1 | .. | 1 | .. |
| Brockton, | 37,278 | 6 | 3 | 1 | 2 | .. | .. | 1 |
| Salem, | 36,883 | 14 | 2 | 1 | 1 | 1 | .. | .. |
| Malden, | 34,613 | 4 | 0 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 11 | 1 | 1 | .. | .. | .. | .. |
| Haverhill, | 32,022 | 11 | 6 | 2 | 2 | .. | .. | 2 |
| Gloucester, | 30,589 | 6 | 0 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 5 | 3 | .. | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 5 | 2 | .. | 1 | .. | .. | .. |
| Taunton, | 28,167 | 13 | 4 | 2 | 2 | .. | .. | 2 |
| Everett, | 25,338 | 7 | 2 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 5 | 1 | .. | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 8 | 0 | .. | 2 | .. | .. | .. |
| Waltham, | 22,296 | 5 | 1 | .. | 2 | .. | .. | .. |
| North Adams, | 20,971 | 6 | 1 | 1 | 1 | 1 | .. | .. |
| Brookline, | 18,600 | 5 | 1 | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 7 | 3 | .. | 1 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 1 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | 5 | 0 | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 5 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | 4 | 1 | .. | 2 | .. | .. | .. |
| Melrose, | 14,032 | 2 | 0 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 1 | 1 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 1 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 5 | 0 | .. | 2 | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | 3 | 1 | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 3 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,837,044 | 541 | 164 | 40 | 109 | 8 | 6 | 11 |

## DEATHS FROM PREVALENT DISEASES IN 37 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty deaths were reported from the principal infectious diseases: diphtheria and croup, 11; diarrhœal diseases, 8; cerebro-spinal meningitis, 6; typhoid fever, 4; whooping-cough, 4; erysipelas, 2; scarlet fever, 2; measles, 2; malarial fever, 1.

No deaths were reported from small-pox, and puerperal fever.

There were 109 deaths from acute lung diseases; consumption, 69; and stillbirths, 37.

From typhoid fever: Boston, Lynn, Lawrence and Springfield, one each. From whooping-cough: Boston, 2; Fall River and Lawrence, one each. From erysipelas: Boston and Chelsea, one each. From scarlet fever: Boston and Lowell, one each. From measles: Boston, 2. From malarial fever: Boston, 1.

Deaths under five years of age numbered 161 as compared with 155 for the preceding week.

Deaths from the principal infectious diseases numbered 40, as compared with 39 for the preceding week.

The death rates for the week were: Boston, 19.18; Worcester, 13.93; Fall River, 15.99; Cambridge, 15.63; Lowell, 19.38; Lynn, 14.02; New Bedford, 22.99; Somerville, 15.31; Lawrence, 19.91; Springfield, 21.16; Holyoke, 10.77; Brockton, 8.37; Salem, 19.74; Maldeu, 6.20; Chelsea, 17.05; Haverhill, 17.95; Gloucester, 10.20; Newton, 8.75; Fitchburg, 8.80; Taunton, 23.99; Everett, 14.35; Quincy, 11.00; Pittsfield, 18.36; Waltham, 11.92; North Adams, 15.12; Chicopee, 20.37; Northampton,——; Medford, 3.14; Marlborough, 16.55; Newburyport, 17.40; Woburn, 14.24.

The death rate for the week was 15.31, as compared with 16.92 and 16.95 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MARCH 18, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 91 | Measles, | 458 |
| Diphtheria and croup, | 75 | Typhoid fever, | 13 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, March 12, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 12, | 29.77 | 56 | 65 | 46 | 86 | 86 | 86 | S. W. | S. W. | 12 | 12 | | O. | F. | | | 0.05 |
| Monday, 13, | 30.12 | 41 | 50 | 32 | 60 | 49 | 54 | W. | N. E. | 18 | 10 | | O. | O. | | | 0.00 |
| Tuesday, 14, | 30.51 | 29 | 32 | 26 | 94 | 88 | 91 | N. | N. | 10 | 10 | | N. | O. | | | T |
| Wednes'y, 15, | 30.11 | 35 | 41 | 29 | 75 | 96 | 86 | S. E. | S. E. | 12 | 22 | | O. | R. | | | 0.12 |
| Thursday, 16, | 29.83 | 34 | 47 | 21 | 72 | 45 | 58 | W. | N. W. | 18 | 14 | | C. | C. | | | 0.63 |
| Friday, 17, | 30.25 | 23 | 31 | 15 | 42 | 38 | 40 | N. W. | N. W. | 18 | 8 | | C. | C. | | | 0.00 |
| Saturday, 18, | 29.96 | 26 | 33 | 18 | 53 | 97 | 75 | S. | E. | 4 | 3 | | N. | R. | | | 0.29 |
| Week, - - | 30.08 | 36 | 43 | 29 | 69 | 71 | 70 | | | 13 | 11 | | | | | | 1.09 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, March 25, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 12.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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### STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending March 25, 1899.

## Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, bnt the discrepancy is a slight one in most cases. Thc mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us thcir returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from Principal Infectious Diseases. | Deaths from Acute Lung Diseases. | Deaths from Cerebro-spinal meningitis. | Deaths from Whooping-cough. | Deaths from Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Boston, | 528,463 | 212 | 63 | 19 | 32 | 5 | 2 | 4 |
| Worcester, | 108,240 | 41 | 12 | 2 | 8 | 2 | .. | .. |
| Fall River, | 95,919 | 31 | 14 | 1 | 5 | .. | .. | .. |
| Cambridge, | 89,724 | 21 | 5 | 1 | 5 | .. | 1 | .. |
| Lowell, | 88,641 | 40 | 19 | 3 | 13 | .. | .. | 2 |
| Lynn, | 66,703 | 17 | 2 | .. | 2 | .. | .. | .. |
| New Bedford, | 66,340 | 21 | 12 | 1 | 6 | .. | .. | 1 |
| Somerville, | 61,101 | 13 | 4 | 1 | 2 | 1 | .. | .. |
| Lawrence, | 57,263 | 31 | 19 | 2 | 2 | 1 | 1 | .. |
| Springfield, | 56,501 | 19 | 4 | 1 | 4 | .. | .. | .. |
| Holyoke, | 43,424 | 15 | 5 | 2 | 4 | 1 | 1 | .. |
| Brockton, | 37,278 | 7 | 3 | .. | 1 | .. | .. | .. |
| Salem, | 36,883 | 15 | 6 | 2 | 1 | .. | .. | .. |
| Malden, | 34,613 | 10 | 1 | 1 | .. | .. | .. | .. |
| Chelsea, | 33,468 | 11 | 2 | 2 | .. | .. | 1 | .. |
| Haverhill, | 32,022 | 18 | 3 | .. | 4 | .. | .. | .. |
| Gloucester, | 30,589 | 12 | 2 | 1 | .. | .. | .. | .. |
| Newton, | 29,716 | 11 | 3 | 1 | 3 | .. | 1 | .. |
| Fitchburg, | 29,438 | 11 | 2 | 2 | 1 | 1 | .. | .. |
| Taunton, | 28,167 | 9 | 2 | 1 | 2 | .. | .. | .. |
| Everett, | 25,338 | 7 | 2 | 1 | .. | .. | .. | 1 |
| Quincy, | 23,549 | 13 | 3 | 1 | 1 | .. | .. | 1 |
| Pittsfield, | 22,643 | 4 | 0 | .. | 1 | .. | .. | .. |
| Waltham, | 22,296 | 9 | 2 | .. | 2 | .. | .. | .. |
| North Adams, | 20,971 | 2 | 0 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | 2 | 1 | .. | 1 | .. | .. | .. |
| Chicopee, | 17,842 | 5 | 3 | .. | 1 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 4 | 2 | .. | 1 | .. | .. | .. |
| Woburn, | 14,585 | 4 | 2 | .. | 1 | .. | .. | .. |
| Melrose, | 14,032 | 3 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 1 | 1 | 1 | .. | .. | .. | 1 |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 3 | 0 | 1 | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 4 | 0 | 1 | 1 | .. | .. | .. |
| Peabody, | 10,716 | 1 | 0 | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 4 | 1 | .. | 1 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Whooping-cough. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,794,060 | 634 | 201 | 48 | 105 | 11 | 7 | 10 |

## DEATHS FROM PREVALENT DISEASES IN 36 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-eight deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 11; diphtheria and croup, 10; whooping-cough, 7; diarrhœal diseases, 6; erysipelas, 4; typhoid fever, scarlet fever and measles, each 3; puerperal fever, 1.

No deaths were reported from small-pox, and malarial fever.

There were 105 deaths from acute lung diseases; consumption, 72; and stillbirths, 34.

From diarrhœal diseases: Fall River, Springfield, Salem, Malden, Taunton and Westfield, one each. From erysipelas: Boston, 3; Clinton, 1. From typhoid fever: Boston, Chelsea and Gloucester, one each. From scarlet fever: Boston, 2; Salem, 1. From measles: Boston, 2; Lowell, 1. From puerperal fever: Fitchburg, 1.

Deaths under five years of age numbered 201 as compared with 164 for the preceding week.

Deaths from the principal infectious diseases numbered 48, as compared with 40 for the preceding week.

The death rates for the week were: Boston, 20.86; Worcester, 19.69; Fall River, 16.52; Cambridge, 12.15; Lowell, 24.02; Lynn, 13.24; New Bedford, 16.44; Somerville, 11.06; Lawrence, 28.14; Springfield, 17.48; Holyoke, 17.95; Brockton, 9.76; Salem, 21.15; Malden, 15.02; Chelsea, 17.05; Haverhill, 27.21; Gloucester, 20.40; Newton, 19.25; Fitchburg, 19.36; Taunton, 16.61; Everett, 14.35; Quincy, 28.60; Pittsfield, 9.18; Waltham, 21.45; North Adams, 5.04; Chicopee, 14.55; Northampton, ——; Medford, 9.42; Marlborough, ——; Newburyport, 13.92; Woburn, 14.24.

The death rate for the week was 18.37, as compared with 15.31 and 16.92 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MARCH 25, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 94 | Measles, | 466 |
| Diphtheria and croup, | 79 | Typhoid fever, | 20 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, March 25, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 19, | 29.66 | 31 | 35 | 27 | 95 | 95 | 95 | N. W. | N. | 7 | 6 | | R. | R. | | | 1.26 |
| Monday, 20, | 29.68 | 28 | 34 | 22 | 50 | 53 | 52 | W. | W. | 20 | 30 | | C. | C. | | | 0.02 |
| Tuesday, 21, | 30.38 | 24 | 32 | 17 | 47 | 51 | 49 | W. | W. | 12 | 9 | | C. | F. | | | 0.00 |
| Wednes'y, 22, | 30.24 | 31 | 35 | 27 | 89 | 98 | 94 | S. W. | N. E. | 14 | 12 | | N. | R. | | | 0.41 |
| Thursday, 23, | 29.79 | 34 | 36 | 31 | 94 | 100 | 97 | N. E. | N. W. | 22 | 16 | | O. | N. | | | 0.89 |
| Friday, 24, | 29.88 | 34 | 40 | 29 | 65 | 50 | 58 | N. W. | W. | 10 | 15 | | C. | C. | | | 0.00 |
| Saturday, 25, | 29.88 | 30 | 38 | 23 | 49 | 44 | 46 | W. | W. | 14 | 8 | | C. | O. | | | 0.00 |
| Week, - - | 29.93 | | 36 | 25 | | | 70 | | | | | | | | | | 2.58 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, April 1, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 13.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending April 1, 1899.

## Deaths reported to the State Board of Health in 36 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Diarrhœal Diseases. | Diphtheria and Croup. |
| Boston, | 528,463 | 198 | 55 | 18 | 36 | 4 | 2 | 3 |
| Worcester, | 108,240 | 42 | 10 | .. | 7 | .. | .. | .. |
| Fall River, | 95,919 | 46 | 19 | 4 | 6 | .. | 4 | .. |
| Cambridge, | 89,724 | 19 | 7 | 2 | 1 | .. | 1 | .. |
| Lowell, | 88,641 | 36 | 11 | 1 | 6 | .. | .. | 1 |
| Lynn, | 66,703 | 20 | 4 | 1 | 3 | 1 | .. | .. |
| New Bedford, | 66,340 | 29 | 15 | 2 | 1 | .. | 2 | .. |
| Somerville, | 61,101 | 16 | 5 | 1 | 4 | .. | .. | .. |
| Lawrence, | 57,263 | 18 | 14 | 2 | 5 | .. | .. | 1 |
| Springfield, | 56,501 | 29 | 6 | 5 | 2 | .. | .. | 2 |
| Holyoke, | 43,424 | 16 | 6 | .. | 2 | .. | .. | .. |
| Brockton, | 37,278 | 7 | 2 | .. | 2 | .. | .. | .. |
| Salem, | 36,883 | 8 | 2 | 1 | 1 | .. | .. | 1 |
| Malden, | 34,613 | 7 | 3 | 1 | .. | .. | .. | .. |
| Chelsea, | 33,468 | 15 | 2 | 2 | .. | 1 | .. | .. |
| Haverhill, | 32,022 | 8 | 0 | 1 | 1 | .. | .. | .. |
| Gloucester, | 30,589 | 2 | 2 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 13 | 3 | .. | 4 | .. | .. | .. |
| Fitchburg, | 29,438 | 7 | 4 | 1 | 2 | .. | .. | .. |
| Taunton, | 28,167 | 9 | 2 | 1 | 2 | .. | 1 | .. |
| Everett, | 25,338 | 6 | 0 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 13 | 3 | 1 | 1 | .. | .. | 1 |
| Pittsfield, | 22,643 | 7 | 0 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 6 | 0 | .. | .. | .. | .. | .. |
| North Adams, | 20,971 | 4 | 2 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | 4 | 1 | 1 | 1 | .. | .. | .. |
| Chicopee, | 17,842 | 7 | 1 | .. | .. | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 1 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 7 | 1 | 2 | 1 | 1 | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 3 | 0 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 3 | 1 | .. | 1 | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 1 | 1 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | 2 | 0 | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | 4 | 2 | .. | 2 | .. | .. | .. |
| Leominster, | 10,375 | 7 | 0 | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 2 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Diarrhœal Diseases. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,818,501 | 624 | 185 | 47 | 93 | 7 | 10 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 36 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-seven deaths were reported from the principal infectious diseases: diarrhœal diseases, 10; diphtheria and croup, 9; cerebro-spinal meningitis, 7; erysipelas, 7; measles, 5; typhoid fever, 5; scarlet fever, 2; whooping-cough, 2.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 93 deaths from acute lung diseases; consumption, 69; and stillbirths, 42.

From erysipelas: Boston, 4; Lawrence, Haverhill and Brookline, 1 each. From measles: Boston, 2; Lawrence, Maldeu and Fitchburg, 1 each. From typhoid fever: Springfield, 3; Boston and Newburyport, 1 each. From scarlet fever: Boston and Cambridge, 1 each. From whooping-cough: Boston and Chelsea, 1 each.

Deaths under five years of age numbered 185 as compared with 201 for the preceding week.

Deaths from the principal infectious diseases numbered 47, as compared with 48 for the preceding week.

The death rates for the week were: Boston, 19.46; Worcester, 20.19; Fall River, 24.51; Cambridge, 11.00; Lowell, 21.09; Lynn, 15.58; New Bedford, 22.70; Somerville, 13.61; Lawrence, 16.34; Springfield, 26.68; Holyoke, 19.15; Brockton, 9.76; Salem, 11.28; Malden, 10.51; Chelsea, 23.25; Haverhill, 10.98; Gloucester, 3.40; Newton, ——; Fitchburg, 12.32; Taunton, 16.61; Everett, 12.30; Quincy, 28.60; Pittsfield, 16.07; Waltham, 14.30; North Adams, 10.08; Chicopee, 20.37; Northampton, ——; Medford, 9.42; Marlborough, ——; Newburyport, 24.36; Woburn, ——.

The death rate for the week was 17.84, as compared with 18.37 and 15.31 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 1, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 82 | Measles, | 427 |
| Diphtheria and croup, | 64 | Typhoid fever, | 20 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, April 1, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| March. | | | | | | | | | | | | | | | |
| Sunday, 26, | 29.75 | 30 | 36 | 24 | 100 | 55 | 78 | N. W. | N. W. | 18 | 15 | N. | O. | | 0.23 |
| Monday, 27, | 30.17 | 35 | 41 | 29 | 55 | 66 | 60 | N. W. | S. E. | 12 | 6 | C. | F. | | 0.00 |
| Tuesday, 28, | 29.98 | 35 | 38 | 32 | 82 | 100 | 91 | S. E. | E. | 8 | 22 | O. | R. | | 0.04 |
| Wednes'y, 29, | 29.23 | 42 | 54 | 29 | 92 | 49 | 70 | W. | S. W. | 18 | 22 | O. | C. | | 0.32 |
| Thursday, 30, | 29.80 | 34 | 40 | 29 | 48 | 39 | 44 | W. | W. | 26 | 10 | C. | C. | | 0.00 |
| Friday, 31, | 29.71 | 36 | 41 | 31 | 95 | 76 | 86 | N. E. | S. | 7 | 8 | R. | O. | | 0.10 |
| April. | | | | | | | | | | | | | | | |
| Saturday, 1, | 29.80 | 40 | 44 | 35 | 48 | 48 | 48 | W. | W. | 18 | 12 | C. | C. | | 0.00 |
| Week, - - | 29.78 | | 42 | 30 | | | 68 | | | | | | | | 0.69 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, April 8, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 14.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending April 8, 1899.

## Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 224 | 69 | 14 | 44 | 3 | .. | 6 |
| Worcester, | 108,240 | 32 | 13 | 1 | 3 | .. | 1 | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 23 | 7 | 3 | 6 | .. | .. | 1 |
| Lowell, | 88,641 | 30 | 9 | 1 | 9 | .. | .. | 1 |
| Lynn, | 66,703 | 17 | 3 | .. | .. | .. | .. | .. |
| New Bedford, | 66,340 | 24 | 2 | .. | 3 | .. | .. | .. |
| Somerville, | 61,101 | 21 | 2 | 1 | 4 | 1 | .. | .. |
| Lawrence, | 57,263 | 14 | 4 | 2 | 2 | .. | .. | .. |
| Springfield, | 56,501 | 18 | 6 | 4 | 1 | .. | 3 | 1 |
| Holyoke, | 43,424 | 12 | 2 | .. | .. | .. | .. | .. |
| Brockton, | 37,278 | 7 | 1 | .. | 1 | .. | .. | .. |
| Salem, | 36,883 | 17 | 6 | 1 | .. | .. | 1 | .. |
| Malden, | 34,613 | 5 | 3 | .. | 1 | .. | .. | .. |
| Chelsea, | 33,468 | 12 | 3 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 12 | 3 | .. | 1 | .. | .. | .. |
| Gloucester, | 30,589 | 4 | 1 | 1 | .. | .. | 1 | .. |
| Newton, | 29,716 | 8 | 2 | .. | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 11 | 4 | 2 | 2 | .. | .. | .. |
| Taunton, | 28,167 | 8 | 2 | .. | 2 | .. | .. | .. |
| Everett, | 25,338 | 10 | 5 | .. | 2 | .. | .. | .. |
| Quincy, | 23,549 | 3 | 0 | .. | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 2 | 0 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 8 | 0 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 4 | 0 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | 5 | 0 | 1 | .. | .. | 1 | .. |
| Chicopee, | 17,842 | 6 | 1 | .. | 2 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | 5 | 1 | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 9 | 1 | .. | 1 | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 5 | 1 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 3 | 1 | 1 | 1 | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | 3 | 0 | 1 | .. | 1 | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 5 | 0 | .. | 1 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,704,544 | 570 | 153 | 33 | 89 | 5 | 7 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 9; typhoid fever, 7; cerebro-spinal meningitis, 5; diarrhœal diseases, 3; erysipelas, 2; measles, 4; scarlet fever, 2; puerperal fever, 1.

No deaths were reported from small-pox, whooping-cough and malarial fever.

There were 89 deaths from acute lung diseases; consumption, 73; and stillbirths, 27.

From measles: Boston, and Fitchburg, each 2. From diarrhœal diseases: Cambridge, 2; Lawrence, 1. From erysipelas: Boston and Lawrence, each 1. From scarlet fever: Boston, 2; From puerperal fever: Hyde Park, 1.

Deaths under five years of age numbered 153 as compared with 185 for the preceding week.

Deaths from the principal infectious diseases numbered 33, as compared with 47 for the preceding week.

The death rates for the week were: Boston, 22.04; Worcester, 15.37; Fall River, —— ; Cambridge, 13.31; Lowell, 17.58; Lynn, 13.24; New Bedford, 18.79; Somerville, 17.87; Lawrence, 12.71; Springfield, 16.56; Holyoke, 14.36; Brockton, 9.76; Salem, 23.97; Malden, 7.51; Chelsea, 18.60; Haverhill, 19.47; Gloucester, 6.80; Newton, 14.00; Fitchburg, 19.36; Taunton, 14.76; Everett, 20.50; Quincy, 6.60; Pittsfield, 4.59; Waltham, 19.07; North Adams, 9.08; Chicopee, 17.46; Northampton, ——; Medford, 9.42; Marlborough, ——; Newburyport, 31.32; Woburn, ——.

The death rate for the week was 17.39, as compared with 17.84 and 18.37 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 8, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 72 | Measles, | 368 |
| Diphtheria and croup, | 69 | Typhoid fever, | 35 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, April 8, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 9, | 29.73 | 43 | 50 | 36 | 67 | 58 | 62 | S. W. | W. | 10 | 20 | C. | C. | | 0.00 |
| Monday, 10, | 30.07 | 42 | 51 | 34 | 68 | 39 | 48 | W. | N. | 9 | 11 | C. | C. | | 0.00 |
| Tuesday, 11, | 30.29 | 38 | 43 | 34 | 50 | 56 | 53 | N. | S. E. | 10 | 5 | C. | C. | | 0.00 |
| Wednes'y, 12, | 29.97 | 42 | 49 | 35 | 38 | 86 | 62 | S. W. | S. | 7 | 6 | O. | O. | | 0.08 |
| Thursday, 13, | 29.87 | 50 | 56 | 43 | 66 | 54 | 60 | N. W. | N. | 17 | 12 | O. | C. | | 0.00 |
| Friday, 14, | 29.88 | 52 | 61 | 43 | 72 | 49 | 60 | S. E. | S. W. | 4 | 12 | O. | R. | | T |
| Saturday, 15, | 29.92 | 58 | 66 | 49 | 35 | 29 | 32 | N. W. | N. W. | 10 | 10 | C. | C. | | 0.01 |
| Week, - - | 29.96 | | 54 | 39 | | | 54 | | | | | | | | 0.09 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, April 15, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 15.

**Entered at the post-office at Boston as second-class matter.**

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

## STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending April 15, 1899.

## Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from Principal Infectious Diseases. | Deaths from Acute Lung Diseases. | Deaths from Typhoid Fever. | Deaths from Cerebro-spinal meningitis. | Deaths from Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Boston. | 528,463 | 215 | 64 | 13 | 52 | 1 | 1 | 6 |
| Worcester. | 108,240 | 31 | 6 | 3 | 5 | 1 | 1 | .. |
| Fall River. | 95,919 | 41 | 17 | 2 | 5 | .. | .. | .. |
| Cambridge, | 89,724 | 22 | 6 | 1 | 6 | .. | .. | .. |
| Lowell, | 88,641 | 28 | 12 | 5 | 3 | 1 | 1 | 2 |
| Lynn, | 66,703 | 24 | 4 | .. | 1 | .. | .. | .. |
| New Bedford, | 66,340 | 34 | 10 | 2 | 6 | 1 | .. | 1 |
| Somerville, | 61,101 | 14 | 4 | 3 | 2 | .. | 2 | 1 |
| Lawrence, | 57,263 | 35 | 17 | 4 | 6 | .. | .. | 1 |
| Springfield, | 56,501 | 15 | 5 | 3 | 2 | .. | .. | 2 |
| Holyoke. | 43,424 | 12 | 3 | 1 | 2 | 1 | .. | .. |
| Brockton, | 37,278 | 15 | 5 | 1 | 4 | .. | 1 | .. |
| Salem. | 36,583 | 14 | 3 | 1 | 1 | 1 | .. | .. |
| Malden, | 34,613 | 9 | 2 | 1 | 1 | .. | .. | .. |
| Chelsea, | 33,468 | 10 | 3 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 2 | 2 | 1 | 1 | .. | .. | .. |
| Gloucester, | 30,589 | 3 | 0 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 7 | 5 | .. | 4 | .. | .. | .. |
| Fitchburg, | 29,438 | 8 | 0 | 3 | 3 | .. | 1 | .. |
| Taunton, | 28,167 | 13 | 3 | 1 | 2 | .. | .. | .. |
| Everett, | 25,338 | 8 | 3 | 2 | .. | .. | 2 | .. |
| Quincy, | 23,549 | 12 | 2 | .. | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 8 | 0 | .. | .. | .. | .. | .. |
| Waltham. | 22,296 | 6 | 2 | 1 | 2 | .. | .. | .. |
| North Adams, | 20,971 | 6 | 1 | .. | 1 | .. | .. | .. |
| Brookline. | 18,600 | 6 | 2 | 1 | .. | .. | .. | 1 |
| Chicopee. | 17,842 | 8 | 2 | 1 | 2 | 1 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford. | 16,511 | 8 | 5 | .. | 1 | .. | .. | .. |
| Marlborough. | 15,679 | 6 | 0 | .. | 1 | .. | .. | .. |
| Newburyport, | 14,915 | 8 | 0 | 1 | 3 | 1 | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 1 | 0 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 5 | 2 | .. | .. | .. | .. | .. |
| Beverly. | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield. | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury. | 10,098 | 6 | 0 | 2 | 3 | .. | 2 | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Typhoid Fever. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,779,674 | 640 | 190 | 53 | 120 | 8 | 11 | 14 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 14; cerebro-spinal meningitis, 11; typhoid fever, 8; measles, 7; diarrhœal diseases, 4; whooping-cough, 4; scarlet fever, 3; erysipelas, 1; puerperal fever, 1.

No deaths were reported from small-pox or malarial fever.

There were 120 deaths from acute lung diseases; consumption, 49; stillbirths, 38.

From measles: Fitchburg, 2; Boston, Worcester, Lowell, Lawrence and Malden, 1 each. From diarrhœal diseases: Fall River, 2; Springfield and Taunton, 1 each. From whooping-cough: Boston, 2; Springfield and Taunton, 1 each. From scarlet fever: Boston, Lawrence and Waltham, 1 each. From erysipelas: Haverhill, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 190 as compared with 153 for the preceding week.

Deaths from the principal infectious diseases numbered 53, as compared with 38 for the preceding week.

The death rates for the week were: Boston, 21.15; Worcester, 14.89; Fall River, 21.85; Cambridge, 12.74; Lowell, 16.40; Lynn, 18.69; New Bedford, 26.62; Somerville, 11.91; Lawrence, 31.78; Springfield, 13.80; Holyoke, 11.36; Brockton, 20.92; Salem, 19.74; Malden, 13.51; Chelsea, 15.50; Haverhill, 3.24; Gloucester, 5.10; Newton, 12.25; Fitchburg, 14.08; Taunton, 23.99; Everett, 16.40; Quincy, 26.40; Pittsfield, 18.36; Waltham, 14.30; North Adams, 15.12; Chicopee, 23.28; Medford, 25.12; Marlborough, 19.86; Newburyport, 27.84; Woburn, ——.

The total death rate for the week was 18.70, as compared with 17.39 and 17.84 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 15, 1899.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

| | | | |
|---|---|---|---|
| Scarlet fever, | 72 | Measles, | 502 |
| Diphtheria and croup, | 82 | Typhoid fever, | 46 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, April 15, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 9, | 29.74 | 43 | 50 | 36 | 67 | 58 | 62 | S. W. | W. | 10 | 20 | C. | C. | | 0.00 |
| Monday, 10, | 30.07 | 42 | 51 | 34 | 68 | 39 | 54 | W. | N. | 9 | 11 | C. | C. | | 0.00 |
| Tuesday, 11, | 30.28 | 38 | 43 | 34 | 50 | 56 | 53 | W. | S. E. | 10 | 5 | C. | C. | | 0.00 |
| Wednes'y, 12, | 29.98 | 42 | 49 | 35 | 38 | 86 | 62 | S. W. | S. | 7 | 6 | O. | O. | | 0.08 |
| Thursday, 13, | 29.88 | 50 | 56 | 43 | 66 | 54 | 60 | N. W. | W. | 17 | 12 | O. | C. | | 0.00 |
| Friday, 14, | 29.88 | 52 | 61 | 43 | 72 | 49 | 60 | S. E. | S. W. | 4 | 12 | O. | R. | | 0.00 |
| Saturday, 15, | 29.92 | 57 | 66 | 48 | 35 | 29 | 32 | N. W. | N. W. | 10 | 10 | C. | C. | | 0.01 |
| Week, - - | 29.97 | | 54 | 39 | | | 55 | | | | | | | | 0.09 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the mouth of March.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 292 | 259 | 551 | Maple Syrup, . . | 7 | 0 | 7 |
| Butter, . . . | 46 | 0 | 46 | Canned Goods, . | .. | .. | .. |
| Cheese, . . . | 4 | 0 | 4 | Honey, . . . | 4 | 0 | 4 |
| Lard, . . . | 2 | 0 | 2 | Tea, . . . | 4 | 2 | |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | .. | .. | .. |
| Vinegar, . . . | 1 | 0 | 1 | Cocoa, . . . | .. | .. | .. |
| Spices, . . . | 33 | 5 | 38 | Confectionery, . | 12 | 1 | 13 |
| Cream of Tartar, . | 27 | 2 | 29 | Other articles of Food and Drinks, | 6 | 1 | 7 |
| Molasses, . . . | 12 | 3 | 15 | Drugs, . . . | 13 | 17 | 30 |
| Syrups, . . . | .. | .. | .. | | | | |
| Maple Sugar, . . | 35 | 5 | 40 | | | | |
| | | | | Totals, . . | 498 | 295 | 793 |

Percentage of adulteration, 37.2. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 46.8 per cent., while the percentages of articles of food was 8.9 per cent.

Five complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Two of these were for violation of the statutes relative to the sale of Maple Sugar; Maple Syrup, Mustard and Pepper, each one. Fines were imposed amounting to $180.

Cities and towns from which samples of food were collected were Boston, Worcester, Fall River, Cambridge, Lowell, Somerville, Brockton, Salem, Maldeu, Chelsea, Haverhill, Gloucester, Newton, Everett, Quincy, Waltham, Medford, Marlborough, Newburyport, Woburn, Beverly, Brookline, Canton, Clinton, Dedham, Peabody, Revere, Stoneham, Stoughton, Sudbury, Watertown, Westwood, Winchester and Winthrop.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, April 22, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 16.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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### STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending April 22, 1899.

## Deaths reported to the State Board of Health in 34 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 211 | 62 | 16 | 46 | 2 | 2 | 4 |
| Worcester, | 108,240 | 36 | 14 | 3 | 3 | 2 | .. | .. |
| Fall River, | 95,919 | 36 | 14 | 2 | 11 | .. | .. | .. |
| Cambridge, | 89,724 | 16 | 4 | 4 | 3 | 2 | 1 | .. |
| Lowell, | 88,641 | 40 | 14 | 3 | 9 | .. | 1 | .. |
| Lynn, | 66,703 | 8 | 2 | .. | 2 | .. | .. | .. |
| New Bedford, | 66,340 | 16 | 4 | .. | 3 | .. | .. | .. |
| Somerville, | 61,101 | 17 | 3 | .. | 3 | .. | .. | .. |
| Lawrence, | 57,263 | 15 | 12 | 6 | 1 | .. | .. | 4 |
| Springfield, | 56,501 | 23 | 7 | .. | 2 | .. | .. | .. |
| Holyoke, | 43,424 | 12 | 4 | 1 | 2 | .. | .. | .. |
| Brockton, | 37,278 | 9 | 4 | .. | 4 | .. | .. | .. |
| Salem, | 36,883 | 8 | 1 | .. | 2 | .. | .. | .. |
| Malden, | 34,613 | 13 | 3 | 1 | 2 | .. | .. | 1 |
| Chelsea, | 33,468 | 12 | 1 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 12 | 1 | .. | 2 | .. | .. | .. |
| Gloucester, | 30,589 | 9 | 4 | 1 | .. | .. | 1 | .. |
| Newton, | 29,716 | 8 | 2 | 2 | 1 | 2 | .. | .. |
| Fitchburg, | 29,438 | 7 | 3 | 1 | .. | .. | .. | .. |
| Taunton, | 28,167 | 12 | 2 | 1 | 1 | .. | .. | 1 |
| Everett, | 25,338 | 10 | 2 | .. | 1 | .. | .. | .. |
| Quincy, | 23,549 | 4 | 3 | 1 | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 9 | 0 | .. | 1 | .. | .. | .. |
| Waltham, | 22,296 | 3 | 0 | .. | .. | .. | .. | .. |
| North Adams, | 20,971 | 10 | 3 | .. | 3 | .. | .. | .. |
| Brookline, | 18,600 | 4 | 0 | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 4 | 2 | .. | .. | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 4 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | 6 | 2 | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 3 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 4 | 0 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 3 | 1 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 4 | 1 | .. | 1 | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 2 | 1 | .. | 1 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 181,907 | 590 | 177 | 42 | 105 | 8 | 5 | 10 |

## DEATHS FROM PREVALENT DISEASES IN 34 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 10; cerebro-spinal meningitis, 8; typhoid fever, 5; whooping-cough, 5; diarrhœal diseases, erysipelas and scarlet fever, 3 each; measles, 4; and puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 105 deaths from acute lung diseases; consumption, 67; stillbirths, 44.

From whooping-cough: Fall River, Cambridge, Lowell, Lawrence and Quincy, 1 each. From measles: Boston, 2; Worcester and Fitchburg, 1 each. From diarrhœal diseases: Boston, Fall River and Holyoke, 1 each. From erysipelas: Boston, 2; Lowell, 1. From scarlet fever: Boston, 2; Lowell, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 177 as compared with 190 for the preceding week.

Deaths from the principal infectious diseases numbered 42, as compared with 53 for the preceding week.

The death rates for the week were: Boston, 20.76; Worcester, 17.29; Fall River, 19.18; Cambridge, 9.26; Lowell, 23.44; Lynn, 6.23; New Bedford, 12.52; Somerville, 14.52; Lawrence, 13.62; Springfield, 21.66; Holyoke, 14.36; Brockton, 12.55; Salem, 11.28; Malden, 19.52; Chelsea, 18.60; Haverhill, 19.47; Gloucester, 15.30; Newton, 14.00; Fitchburg, 12.32; Taunton, 22.15; Everett, 20.50; Quincy, 8.80; Pittsfield, 20.66; Waltham, 7.15; North Adams, 25.20; Chicopee, 11.64; Northampton,——; Medford, 12.56; Marlborough,——; Newburyport, 10.44; Woburn, ——.

The death rate for the week was 17.03, as compared with 18.70 and 17.39 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 22, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 81 | Measles, | 437 |
| Diphtheria and croup, | 82 | Typhoid fever, | 34 |
| Small-pox, | 1 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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# The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, April 22, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 16, | 29.80 | 40 | 48 | 33 | 51 | 97 | 74 | N. E. | N. | 6 | 16 | O. | N. | | 0.31 |
| Monday, 17, | 29.94 | 45 | 55 | 35 | 65 | 54 | 60 | N. W. | N. W. | 24 | 14 | C. | C. | | 0.11 |
| Tuesday, 18, | 30.13 | 54 | 68 | 40 | 34 | 39 | 36 | N. W. | E. | 12 | 4 | C. | C. | | 0.00 |
| Wednes'y, 19, | 30.25 | 48 | 54 | 41 | 78 | 72 | 75 | E. | S. E. | 14 | 6 | C. | C. | | 0.00 |
| Thursday, 20, | 30.27 | 42 | 46 | 38 | 64 | 72 | 68 | E. | E. | 12 | 5 | C. | O. | | T |
| Friday, 21, | 30.27 | 45 | 50 | 40 | 76 | 42 | 59 | N. E. | N. | 10 | 5 | O. | C. | | 0.00 |
| Saturday, 22, | 30.25 | 50 | 62 | 38 | 50 | 34 | 42 | N. W. | S. | 6 | 12 | C. | F. | | 0.00 |
| Week, - - | 30.03 | | 55 | 38 | | | 59 | | | | | | | | 0.42 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, April 29, 1899.

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VOL. XVII. No. 17.

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending April 29, 1899.

## Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
| Boston, | 528,463 | 243 | 61 | 13 | 49 | .. | 2 | 4 |
| Worcester, | 108,240 | 25 | 12 | 5 | 3 | .. | 4 | 1 |
| Fall River, | 95,919 | 32 | 7 | 11 | 1 | 10 | .. | .. |
| Cambridge, | 89,724 | 23 | 3 | 2 | 3 | 1 | .. | .. |
| Lowell, | 88,641 | 42 | 14 | 6 | 7 | .. | .. | 2 |
| Lynn, | 66,703 | 23 | 7 | .. | .. | .. | .. | .. |
| New Bedford, | 66,340 | 22 | 6 | 1 | 3 | 1 | .. | .. |
| Somerville, | 61,101 | 28 | 12 | 6 | 4 | 3 | 2 | .. |
| Lawrence, | 57,263 | 25 | 10 | 2 | 3 | 1 | .. | .. |
| Springfield, | 56,501 | 16 | 1 | 1 | 1 | .. | .. | .. |
| Holyoke, | 43,424 | 13 | 2 | .. | 1 | .. | .. | .. |
| Brockton, | 37,278 | 16 | 3 | 1 | 2 | .. | .. | .. |
| Salem, | 36,883 | 8 | 5 | .. | .. | .. | .. | .. |
| Malden, | 34,613 | 11 | 3 | .. | 1 | .. | .. | .. |
| Chelsea, | 33,468 | 15 | 2 | 1 | .. | .. | .. | .. |
| Haverhill, | 32,022 | 6 | 2 | 1 | .. | .. | .. | 1 |
| Gloucester, | 30,589 | 4 | 2 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 7 | 2 | 1 | .. | .. | 1 | .. |
| Fitchburg, | 29,438 | 8 | 4 | 1 | 1 | .. | .. | .. |
| Taunton, | 28,167 | 14 | 2 | 1 | 3 | 1 | .. | .. |
| Everett, | 25,338 | 8 | 4 | .. | 1 | .. | .. | .. |
| Quincy, | 23,549 | 8 | 3 | .. | 4 | .. | .. | .. |
| Pittsfield, | 22,643 | 1 | 0 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 6 | 0 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 7 | 3 | 1 | 1 | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 6 | 2 | .. | 1 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 3 | 1 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 3 | 0 | 1 | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 4 | 1 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 2 | 1 | .. | 1 | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,757,535 | 632 | 175 | 55 | 92 | 17 | 9 | 8 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-five deaths were reported from the principal infectious diseases: diarrhœal diseases, 17; cerebro-spinal meningitis, 9; diphtheria and croup, 8; measles, 6; whooping-cough, 5; typhoid fever, 4; erysipelas, 3; scarlet fever, 2, and puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 92 deaths from acute lung diseases; consumption, 64, and stillbirths, 22.

From measles: Boston and Lowell, 2 each; Somerville and Newton, 1 each. From whooping-cough: Lowell, 2; Boston, Fall River and Brockton, 1 each. From typhoid fever: Boston, 2; Taunton and North Adams, 1 each. From erysipelas: Boston, 2; Springfield, 1. From scarlet fever: Cambridge and Melrose, 1 each. From puerperal fever: Lawrence 1.

Deaths under five years of age numbered 175 as compared with 177 for the preceding week.

Deaths from the principal infectious diseases numbered 55, as compared with 42 for the preceding week.

The death rates for the week were: Boston, 23.91; Worcester, 12.01; Fall River, 17.05; Cambridge, 13.31; Lowell, 23.85; Lynn, 17.91; New Bedford, 17.22; Somerville, 23.82; Lawrence, 22.70; Springfield, 14.72; Holyoke, 15.56; Brockton, 22.32; Salem, 11.28; Malden, 16.52; Chelsea, 23.25; Haverhill, 9.74; Gloucester, 6.80; Newton, 12.25; Fitchburg, 14.08; Taunton, 25.84; Everett, 16.40; Quincy, 17.60; Pittsfield, 2.29; Waltham, 14.30; North Adams, 17.64; Chicopee, 17.46; Northampton,——; Medford, 9.42; Marlborough,——; Newburyport, 10.44; Woburn, ——.

The total death rate for the week was 18.70, as compared with 17.03 and 18.70 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING APRIL 29, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 98 | Measles, | 522 |
| Diphtheria and croup, | 89 | Typhoid fever, | 22 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

---

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, April 29, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 23, | 30.15 | 62 | 77 | 48 | 47 | 61 | 54 | W. | N. E. | 9 | 2 | C. | C. | | 0.00 |
| Monday, 24, | 30.19 | 54 | 59 | 48 | 40 | 40 | 40 | N. E. | S. | 11 | 11 | C. | C. | | 0.00 |
| Tuesday, 25, | 30.00 | 64 | 80 | 47 | 70 | 68 | 69 | S. W. | N. | 8 | 8 | O. | O. | | T |
| Wednes'y, 26, | 29.96 | 56 | 65 | 47 | 75 | 83 | 79 | N. W. | E. | 7 | 10 | O. | C. | | 0.00 |
| Thursday, 27, | 30.25 | 50 | 53 | 46 | 86 | 60 | 73 | E. | S. | 14 | 10 | F. | C. | | 0.00 |
| Friday, 28, | 30.25 | 57 | 71 | 43 | 43 | 24 | 34 | S. | S. W. | 6 | 15 | C. | C. | | 0.00 |
| Saturday, 29, | 30.19 | 64 | 83 | 45 | 42 | 50 | 46 | W. | S. W. | 12 | 16 | C. | C. | | 0.00 |
| Week, - - | 30.14 | 58 | 70 | 46 | 58 | 55 | 56 | | | 10 | 10 | | | | |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, May 6, 1899.

An official publication of the State Board of Health of Massachusette, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 18.

**Entered at the post-office at Boston as second-class matter.**

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending May 6, 1899.

## Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Diarrhœal Diseases. | Diphtheria and Croup. |
| Boston, | 528,463 | 226 | 50 | 16 | 33 | 3 | 1 | 3 |
| Worcester, | 108,240 | 26 | 5 | 9 | 5 | 2 | 4 | 1 |
| Fall River, | 95,919 | 28 | 10 | 2 | 3 | .. | 1 | .. |
| Cambridge, | 89,724 | 30 | 10 | 2 | 6 | .. | 1 | .. |
| Lowell, | 88,641 | 29 | 11 | .. | 3 | .. | .. | .. |
| Lynn, | 66,703 | 20 | 3 | 2 | .. | 2 | .. | .. |
| New Bedford, | 66,340 | 25 | 6 | 2 | 2 | .. | .. | 2 |
| Somerville, | 61,101 | 16 | 4 | .. | 2 | .. | .. | .. |
| Lawrence, | 57,263 | 28 | 13 | 3 | 3 | .. | 1 | .. |
| Springfield, | 56,501 | 28 | 5 | 3 | 3 | .. | 2 | .. |
| Holyoke, | 43,424 | 12 | 5 | .. | 1 | .. | .. | .. |
| Brockton, | 37,278 | 9 | 3 | 1 | 1 | 1 | .. | .. |
| Salem, | 36,883 | 9 | 2 | .. | .. | .. | .. | .. |
| Malden, | 34,613 | 4 | 1 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 7 | 1 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 15 | 5 | 1 | 2 | .. | .. | .. |
| Gloucester, | 30,589 | 4 | 1 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 7 | 2 | .. | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 10 | 3 | 2 | .. | .. | .. | .. |
| Taunton, | 28,167 | 22 | 7 | 1 | 2 | .. | .. | .. |
| Everett, | 25,338 | 13 | 3 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 5 | 2 | 2 | 1 | .. | .. | 2 |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 4 | 0 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 8 | 2 | .. | 3 | .. | .. | .. |
| Brookline, | 18,600 | 5 | 1 | 1 | 1 | .. | .. | 1 |
| Chicopee, | 17,842 | 8 | 5 | .. | .. | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 4 | 2 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 7 | 1 | .. | 1 | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 3 | 1 | .. | 2 | .. | .. | .. |
| Hyde Park, | 12,805 | 8 | 1 | 1 | 1 | .. | 1 | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 6 | 1 | .. | 3 | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 1 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Diarrhœal Diseases. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,833,201 | 627 | 166 | 48 | 81 | 8 | 11 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 32 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-eight deaths were reported from the principal infectious diseases: diarrhœal diseases, 11; diphtheria and croup, 9; cerebro-spinal meningitis, 8; typhoid fever, 6; scarlet fever, 6; whooping-cough, 3; measles, 2; small-pox, erysipelas and puerperal fever, 1 each.

No deaths were reported from malarial fever.

There were 81 deaths from acute lung diseases; consumption, 74, and stillbirths, 44.

From typhoid fever: Boston, 5; Worcester, 1. From scarlet fever: Boston, 2; Worcester, Lawrence, Fitchburg and Taunton, 1 each. From whooping-cough: Fall River, Cambridge and Lawrence, 1 each. From measles: Boston and Fitchburg, 1 each. From small-pox: Boston, 1. From erysipelas: Haverhill, 1. From puerperal fever: Springfield, 1.

Deaths under five years of age numbered 166 as compared with 175 for the preceding week.

Deaths from the principal infectious diseases numbered 48, as compared with 55 for the preceding week.

The death rates for the week were: Boston, 22.22; Worcester, 12.49; Fall River, 15.92; Cambridge, 17.37; Lowell, 16.99; Lynn, 15.58; New Bedford, 19.57; Somerville, 13.61; Lawrence, 25.42; Springfield, 25.76; Holyoke, 14.36; Brockton, 12.55; Salem, 12.69; Malden, 6.01; Chelsea, 10.85; Haverhill, 24.34; Gloucester, 6.80; Newton, 12.25; Fitchburg, 17.60; Taunton, ——; Everett, 26.65; Quincy, 11.00; Pittsfield, ——; Waltham, 9.53; North Adams, 20.16; Chicopee, 23.28; Northampton,——; Medford, 12.56; Marlborough,——; Newburyport, 24.36.; Woburn, ——.

The total death rate for the week was 17.78, as compared with 18.70 and 17.03 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MAY 6, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, . . . . . | 87 | Measles, . . . . . | 396 |
| Diphtheria and croup, . . . . | 54 | Typhoid fever, . . . . | 12 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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# The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, May 6, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| April Sunday, 30, | 29.98 | 66 | 82 | 51 | 58 | 49 | 54 | W. | S. | 12 | 6 | | C. | C. | | 0.00 |
| May Monday, 1, | 29.89 | 55 | 62 | 48 | 60 | 87 | 74 | N. E. | N. E. | 24 | 10 | | O. | O. | | 0.00 |
| Tuesday, 2, | 29.79 | 55 | 62 | 48 | 90 | 51 | 70 | N. | N. W. | 12 | 10 | | O. | C. | | 0.04 |
| Wednes'y, 3, | 30.08 | 60 | 70 | 50 | 35 | 44 | 40 | N. | S. | 10 | 10 | | C. | C. | | 0.00 |
| Thursday, 4, | 29.87 | 62 | 72 | 51 | 33 | 85 | 59 | W. | W. | 13 | 9 | | F. | O. | | 0.06 |
| Friday, 5, | 29.87 | 62 | 73 | 52 | 49 | 33 | 41 | W. | W. | 18 | 8 | | C. | C. | | 0.00 |
| Saturday, 6, | 30.00 | 62 | 70 | 54 | 44 | 67 | 56 | E. | S. | 6 | 10 | | F. | R. | | 0.03 |
| Week, - - | 29.93 | | 70 | 50 | | | 56 | | | | | | | | | 0.13 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, May 13, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 19.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending May 13, 1899.

### Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, bnt the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Measles. |
| Boston, | 528,463 | 193 | 50 | 15 | 46 | .. | 4 | 2 |
| Worcester, | 108,240 | 38 | 11 | 1 | 3 | .. | .. | .. |
| Fall River, | 95,919 | 29 | 14 | 3 | 2 | 3 | .. | .. |
| Cambridge, | 89,724 | 24 | 12 | 2 | 6 | .. | .. | 1 |
| Lowell, | 88,641 | 35 | 17 | 6 | 5 | .. | 1 | 4 |
| Lynn, | 66,703 | 18 | 3 | 1 | .. | .. | .. | 1 |
| New Bedford, | 66,340 | 17 | 5 | .. | 1 | .. | .. | .. |
| Somerville, | 61,101 | 12 | 2 | .. | 5 | .. | .. | .. |
| Lawrence, | 57,263 | 22 | 16 | 3 | 4 | .. | 1 | .. |
| Springfield, | 56,501 | 12 | 5 | 1 | 1 | .. | .. | .. |
| Holyoke, | 43,424 | 13 | 5 | .. | .. | .. | .. | .. |
| Brockton, | 37,278 | 6 | 2 | .. | 1 | .. | .. | .. |
| Salem, | 36,883 | 7 | 1 | 1 | .. | .. | .. | 1 |
| Malden, | 34,613 | 6 | 2 | .. | 2 | .. | .. | .. |
| Chelsea, | 33,468 | 16 | 5 | 2 | 1 | .. | 1 | .. |
| Haverhill, | 32,022 | 7 | 1 | .. | 2 | .. | .. | .. |
| Gloucester, | 30,589 | 4 | 1 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 4 | 0 | .. | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 8 | 6 | 1 | .. | .. | .. | .. |
| Taunton, | 28,167 | 11 | 3 | .. | 3 | .. | .. | .. |
| Everett, | 25,338 | 5 | 2 | 1 | .. | .. | 1 | .. |
| Quincy, | 23,549 | 1 | 1 | 1 | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 6 | 0 | .. | 2 | .. | .. | .. |
| Waltham, | 22,296 | 3 | 0 | 1 | .. | .. | 1 | .. |
| North Adams, | 20,971 | 7 | 2 | .. | 1 | .. | .. | .. |
| Brookline, | 18,600 | 4 | 1 | .. | 1 | .. | .. | .. |
| Chicopee, | 17,842 | 6 | 3 | .. | 2 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 5 | 1 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 2 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 4 | 2 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 3 | 1 | 1 | .. | 1 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 2 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 5 | 1 | .. | 1 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Measles. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,786,233 | 535 | 175 | 40 | 91 | 4 | 9 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty deaths were reported from the principal infectious diseases: typhoid fever, 9; measles, 9; diphtheria and croup, 6; cerebro-spinal meningitis, 6; erysipelas, 3; whooping-cough, 3.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 91 deaths from acute lung diseases; consumption, 68, and stillbirths, 42.

From diphtheria and croup: Boston, 5; Lawrence, 1. From cerebro-spinal meningitis: Boston, 2; Worcester, Lowell, Chelsea and Quincy, 1 each. From erysipelas: Boston, 2; Springfield, 1. From whooping-cough: Cambridge, Lawrence and Fitchburg, 1 each.

Deaths under five years of age numbered 175, as compared with 166 for the preceding week.

Deaths from the principal infectious diseases numbered 40, as compared with 48 for the preceding week.

The death rates for the week were: Boston, 18.98; Worcester, 19.85; Fall River, 15.45; Cambridge, 13.89; Lowell, 20.51; Lynn, 14.02; New Bedford, 13.31; Somerville, 10.21; Lawrence, 19.97; Springfield, 11.04; Holyoke, 15.56; Brockton, 8.37; Salem, 9.87; Malden, 9.01; Chelsea, 24.80; Haverhill, 11.36; Gloucester, 6.80; Newton, 7.00; Fitchburg, 14.08; Taunton, 20.30; Everett, 10.25; Quincy, 2.20; Pittsfield, 13.77; Waltham, 7.15; North Adams, 17.64; Chicopee, 17.46; Northampton,——; Medford, 15.70; Marlborough,——; Newburyport, 6.96; Woburn, ——.

The total death rate for the week was 15.60, as compared with 17.78 and 18.70 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MAY 13, 1899.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

| | | | |
|---|---|---|---|
| Scarlet fever, | 101 | Measles, | 564 |
| Diphtheria and croup, | 113 | Typhoid fever, | 18 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, May 13, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 7, | 29.98 | 66 | 82 | 51 | 58 | 49 | 54 | W. | S. | 12 | 6 | C. | C. | | 0.00 |
| Monday, 8, | 29.90 | 55 | 62 | 48 | 60 | 87 | 74 | N. E. | N. E. | 24 | 10 | O. | O. | | 0.00 |
| Tuesday, 9, | 29.79 | 55 | 62 | 48 | 90 | 51 | 70 | N. | N. W. | 12 | 10 | O. | C. | | 0.04 |
| Wednes'y, 10, | 30.08 | 60 | 70 | 50 | 35 | 44 | 40 | N. | S. | 10 | 10 | C. | C. | | 0.00 |
| Thursday, 11, | 29.87 | 62 | 72 | 51 | 33 | 85 | 59 | W. | W. | 13 | 9 | F. | O. | | 0.06 |
| Friday, 12, | 29.87 | 62 | 73 | 52 | 49 | 33 | 41 | W. | N. | 18 | 8 | C. | C. | | 0.00 |
| Saturday, 13, | 30.00 | 62 | 70 | 54 | 44 | 67 | 56 | E. | S. | 6 | 10 | F. | R. | | 0.03 |
| Week, - - | 29.93 | | 70 | 51 | | | 56 | | | | | | | | 0.13 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of April.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 494 | 32 | 526 | Maple Syrup, . . | 11 | 0 | 11 |
| Butter, . . . | 15 | 4 | 19 | Canned Goods, . | .. | .. | .. |
| Cheese, . . . | 1 | 0 | 1 | Honey, . . . | 7 | 4 | 11 |
| Lard, . . . | 1 | 0 | 1 | Tea, . . . | 4 | 0 | 4 |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | 22 | 0 | 22 |
| Vinegar, . . . | .. | .. | .. | Cocoa, . . . | 3 | 3 | 6 |
| Spices, . . . | 220 | 30 | 250 | Confectionery, . | 13 | 0 | 13 |
| Cream of Tartar, . | 13 | 1 | 14 | Other articles of Food and Drinks, | 12 | 2 | 14 |
| Molasses, . . . | 15 | 4 | 19 | Drugs, . . . | 24 | 12 | 36 |
| Syrups, . . . | 0 | 1 | 1 | | | | |
| Maple Sugar, . . | 7 | 1 | 8 | | | | |
| | | | | Totals, . . | 845 | 90 | 935 |

Percentage of adulteration, 9.6. The actual ratio of adulteration is very much less than this, since it is ouly suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 6.08 per cent., while the percentages of articles of food was 12.3 per ceut.

This apparent improvement iu the quality of milk is due to the change in the standard of total solids, the required standard of March beiug 13 per cent. and that of April, May, June, July and August 12 per cent.

Three complaints were entered in the courts duriug the month for violation of the laws relative to the inspection of Food and Drugs. Two of these were for violation of the statutes relative to the sale of Tincture of Opium. Fines were imposed amounting to $40.

The samples of drugs found to be adulterated were Extract of Liquorice, Iron and Quinine Citrate, Tincture of Iodine, and Tincture of Opium.

Cities aud towus from which samples of food were collected were Boston, Worcester, Cambridge, Somerville, Lawrence, Brockton, Malden, Chelsea, Haverhill, Gloucester, Newton, Tauutou, Quincy, Waltham, Chicopee, Medford, Marlborough, Newburyport, Woburn aud Beverly.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, May 20, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 20.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending May 20, 1899.

## Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Diarrhœal Diseases. | Diphtheria and Croup. |
| Boston, | 528,463 | 190 | 49 | 19 | 28 | 5 | 5 | 1 |
| Worcester, | 108,240 | 31 | 11 | 2 | 3 | 2 | .. | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 23 | 4 | 1 | 1 | .. | .. | .. |
| Lowell, | 88,641 | 31 | 10 | 4 | 5 | .. | 1 | 1 |
| Lynn, | 66,703 | .. | .. | .. | .. | .. | .. | .. |
| New Bedford, | 66,340 | 27 | 10 | 1 | 3 | .. | 1 | .. |
| Somerville, | 61,101 | 14 | 6 | 2 | 2 | 1 | .. | 1 |
| Lawrence, | 57,263 | 17 | 9 | 2 | 2 | .. | 1 | .. |
| Springfield, | 56,501 | 18 | 4 | .. | 1 | .. | .. | .. |
| Holyoke, | 43,424 | 9 | 0 | .. | .. | .. | .. | .. |
| Brockton, | 37,278 | 6 | 1 | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 10 | 2 | 2 | .. | 1 | .. | .. |
| Malden, | 34,613 | 2 | 0 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 7 | 0 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 9 | 0 | .. | 1 | .. | .. | .. |
| Gloucester, | 30,589 | 4 | 3 | 2 | .. | 1 | .. | 1 |
| Newton, | 29,716 | 4 | 0 | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | 9 | 0 | 1 | 2 | .. | .. | .. |
| Taunton, | 28,167 | 12 | 1 | 2 | 1 | .. | 1 | .. |
| Everett, | 25,338 | 6 | 1 | 1 | .. | .. | .. | .. |
| Quincy, | 23,549 | 5 | 0 | .. | 1 | .. | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 8 | 2 | .. | 2 | .. | .. | .. |
| North Adams, | 20,971 | 8 | 5 | 1 | 1 | 1 | .. | .. |
| Brookline, | 18,600 | 0 | 0 | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 4 | 1 | 1 | 1 | .. | .. | 1 |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 5 | 2 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 9 | 3 | 2 | .. | .. | .. | 1 |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 4 | 1 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 2 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 2 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Diarrhœal Diseases. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,588,828 | 476 | 125 | 43 | 56 | 11 | 9 | 6 |

## DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-three deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 11; diarrhœal diseases, 9; diphtheria and croup, 6; scarlet fever, 5; typhoid fever, 4; whooping-cough, 3; erysipelas, 2; measles, 2; puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 60 deaths from consumption; acute lung diseases, 56, and stillbirths, 27.

From scarlet fever: Boston, 3; Fitchburg and Taunton, 1 each. From typhoid fever: Boston, Cambridge, Lowell and Lawrence, 1 each. From whooping-cough: Boston, 2. Salem, 1. From erysipelas: Boston and Newburyport, 1 each. From measles: Boston and Lowell, 1 each. From puerperal fever: Everett, 1.

Deaths under five years of age numbered 125, as compared with 175 for the preceding week.

Deaths from the principal infectious diseases numbered 43, as compared with 40 for the preceding week.

The death rates for the week were: Boston, 18.69; Worcester, 14.89; Fall River,——; Cambridge, 13.31; Lowell, 18.16; Lynn,——; New Bedford, 21.14; Somerville, 11.91; Lawrence, 15.43; Springfield, 16.56; Holyoke, 10.77; Brockton, 8.37; Salem, 14.10; Malden, 2.30; Chelsea, 10.85; Haverhill, 14.60; Gloucester, 6.80; Newton, 7.00; Fitchburg, 15.84; Taunton, 22.15; Everett, 12.30; Quincy, 11.00; Pittsfield,——; Waltham, 19.07; North Adams, 20.16; Chicopee, 11.64; Northampton,——; Medford, 15.70; Marlborough,——; Newburyport, 31.32; Woburn, ——.

The total death rate for the week was 15.57, as compared with 15.60 and 17.78 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MAY 20, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 78 | Measles, | 528 |
| Diphtheria and croup, | 110 | Typhoid fever, | 24 |
| Small-pox, | 1 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, May 20, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 14, | 30.06 | 59 | 69 | 49 | 43 | 26 | 34 | N. W. | W. | 18 | 12 | | F. | O. | | | 0.09 |
| Monday, 15, | 30.12 | 54 | 64 | 44 | 44 | 57 | 50 | N. W. | S. | 11 | 6 | | C. | C. | | | 0.00 |
| Tuesday, 16, | 30.01 | 54 | 61 | 46 | 41 | 47 | 44 | N. W. | N. W. | 8 | 8 | | O. | O. | | | T |
| Wednes'y, 17, | 30.04 | 52 | 56 | 49 | 47 | 45 | 46 | N. E. | S. W. | 6 | 12 | | C. | C. | | | 0.04 |
| Thursday, 18, | 30.12 | 50 | 51 | 48 | 75 | 86 | 80 | E. | S. E. | 12 | 5 | | O. | O. | | | 0.03 |
| Friday, 19, | 29.94 | 49 | 51 | 47 | 90 | 90 | 90 | S. E. | E. | 4 | 4 | | O. | O. | | | 0.04 |
| Saturday, 20, | 29.80 | 50 | 54 | 47 | 76 | 76 | 76 | N. | N. W. | 10 | 9 | | O. | O. | | | T |
| Week, - - | 30.01 | | 58 | 47 | | | 60 | | | | | | | | | | 0.20 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, May 27, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 21.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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FRANK W. DRAPER, M.D., Boston.
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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending May 27, 1899.

## Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diphtheria and Croup. | Cerebro-spinal meningitis. | Measles. |
| Boston, | 528,463 | 203 | 58 | 15 | 24 | 5 | 3 | .. |
| Worcester, | 108,240 | 26 | 11 | 2 | 4 | .. | 2 | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 19 | 8 | 3 | .. | 1 | .. | .. |
| Lowell, | 88,641 | 39 | 10 | 2 | 6 | .. | .. | 2 |
| Lynn, | 66,703 | 13 | 2 | 2 | 2 | .. | .. | 2 |
| New Bedford, | 66,340 | 23 | 9 | 2 | 3 | .. | .. | .. |
| Somerville, | 61,101 | 18 | 3 | 3 | 3 | 1 | .. | .. |
| Lawrence, | 57,263 | 20 | 9 | .. | .. | .. | .. | .. |
| Springfield, | 56,501 | 9 | 1 | .. | 1 | .. | .. | .. |
| Holyoke, | 43,424 | 11 | 3 | 1 | .. | .. | .. | .. |
| Brockton, | 37,278 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 11 | 3 | .. | .. | .. | .. | .. |
| Malden, | 34,613 | 8 | 0 | .. | 2 | .. | .. | .. |
| Chelsea, | 33,468 | 6 | 2 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 19 | 3 | 3 | 3 | 1 | .. | .. |
| Gloucester, | 30,589 | 5 | 1 | 2 | .. | .. | 2 | .. |
| Newton, | 29,716 | 4 | 0 | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | 4 | 1 | 1 | 1 | .. | .. | .. |
| Taunton, | 28,167 | 11 | 1 | .. | .. | .. | .. | .. |
| Everett, | 25,338 | 3 | 1 | 1 | .. | .. | 1 | .. |
| Quincy, | 23,549 | 9 | 2 | .. | 1 | .. | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 6 | 1 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 3 | 0 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 9 | 2 | .. | 2 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 6 | 1 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 6 | 4 | 2 | .. | .. | .. | 2 |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 5 | 0 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 4 | 1 | .. | 1 | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 7 | 1 | .. | 1 | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 1 | 0 | 1 | .. | .. | 1 | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diphtheria and Croup. | Cerebro-spinal meningitis. | Measles. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,611,793 | 508 | 138 | 40 | 57 | 8 | 9 | 6 |

## DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 9; diphtheria and croup, 8; measels, 6; whooping-cough, 6; diarrhœal diseases, 4; typhoid fever, erysipelas and scarlet fever, each 2; puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 70 deaths from consumption; acute lung diseases, 57, and stillbirths, 40.

From whooping-cough: Cambridge and Haverhill, 2 each; Boston and Somerville, 1 each. From diarrhœal diseases: Boston, 2; New Bedford and Somerville, 1 each. From typhoid fever: Boston and Holyoke, 1 each. From erysipelas: Boston and Holyoke, 1 each. From scarlet fever: Boston, 2. From puerperal fever: Fitchburg, 1.

Deaths under five years of age numbered 138, as compared with 125 for the preceding week.

Deaths from the principal infectious diseases numbered 40, as compared with 43 for the preceding week.

The death rates for the week were: Boston, 19.97; Worcester, 12.49; Fall River,——; Cambridge, 16.01; Lowell, 22.85; Lynn, 10.12; New Bedford, 18.00; Somerville, 15.31; Lawrence, 18.16; Springfield, 8.28; Holyoke, 13.16; Brockton, ——; Salem, 15.51; Malden, 12.01; Chelsea, 9.30; Haverhill, 30.83; Gloucester, 8.50; Newton, 7.00; Fitchburg, 7.04; Taunton, 20.30; Everett, 6.15; Quincy, 19.80; Pittsfield,——; Waltham, 14.30; North Adams, 7.56; Chicopee, 24.19; Northampton,——; Medford, 18.84; Marlborough,——; Newburyport, 20.68; Woburn, ——.

The total death rate for the week was 16.38, as compared with 15.57 and 15.60 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING MAY 27, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 125 | Measles, | 689 |
| Diphtheria and croup, | 102 | Typhoid fever, | 35 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, May 27, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 21, | 29.92 | 48 | 52 | 45 | 95 | 91 | 93 | N. | N. | 20 | 8 | R. | R. | | 0.11 |
| Monday, 22, | 30.17 | 48 | 52 | 45 | 69 | 72 | 70 | N. E. | S. | 8 | 7 | C. | O. | | 0.00 |
| Tuesday, 23, | 30.25 | 53 | 60 | 46 | 68 | 74 | 71 | N. | E. | 5 | 7 | O. | O. | | 0.00 |
| Wednes'y, 24, | 30.28 | 58 | 69 | 48 | 64 | 41 | 52 | S. W. | S. W. | 5 | 14 | C. | C. | | 0.00 |
| Thursday, 25, | 30.21 | 63 | 75 | 51 | 61 | 54 | 58 | W. | S. W. | 5 | 13 | C. | C. | | 0.00 |
| Friday, 26, | 30.12 | 66 | 81 | 51 | 63 | 58 | 60 | W. | S. W. | 12 | 16 | C. | C. | | 0.00 |
| Saturday, 27, | 29.95 | 68 | 80 | 56 | 47 | 62 | 54 | S. W. | S. W. | 15 | 18 | O. | O. | | 0.00 |
| Week, - - | 30.13 | | 67 | 49 | | | 65 | | | | | | | | 0.11 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, June 3, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 22.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending June 3, 1899.

## Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infections Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Scarlet Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 220 | 75 | 15 | 32 | 3 | 4 | 4 |
| Worcester, | 108,240 | 37 | 13 | 9 | 1 | 4 | 2 | 2 |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 28 | 12 | 4 | 5 | .. | .. | 2 |
| Lowell, | 88,641 | 45 | 18 | 7 | 7 | .. | 1 | .. |
| Lynn, | 66,703 | .. | .. | .. | .. | .. | .. | .. |
| New Bedford, | 66,340 | 19 | 7 | 3 | 4 | .. | 2 | 1 |
| Somerville, | 61,101 | 12 | 4 | 1 | 2 | .. | .. | .. |
| Lawrence, | 57,263 | 24 | 17 | 3 | 3 | .. | .. | 3 |
| Springfield, | 56,501 | 15 | 5 | .. | 4 | .. | .. | .. |
| Holyoke, | 43,424 | 6 | 2 | .. | .. | .. | .. | .. |
| Brockton, | 37,278 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 16 | 4 | 1 | .. | .. | 1 | .. |
| Malden, | 34,613 | 16 | 0 | 1 | 2 | 1 | .. | .. |
| Chelsea, | 33,468 | 6 | 2 | .. | 1 | .. | .. | .. |
| Haverhill, | 32,022 | 7 | 0 | .. | 1 | .. | .. | .. |
| Gloucester, | 30,589 | 3 | 1 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 13 | 0 | 1 | 3 | .. | 1 | .. |
| Fitchburg, | 29,438 | 4 | 1 | .. | .. | .. | .. | .. |
| Taunton, | 28,167 | 13 | 3 | .. | 2 | .. | .. | .. |
| Everett, | 25,338 | 7 | 0 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 10 | 6 | 2 | 1 | .. | .. | 1 |
| Pittsfield, | 22,643 | 5 | 1 | .. | 1 | .. | .. | .. |
| Waltham, | 22,296 | 7 | 1 | .. | .. | .. | .. | .. |
| North Adams, | 20,971 | 3 | 0 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 8 | 5 | .. | 1 | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | .. | .. | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | .. | .. | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 5 | 2 | .. | 2 | .. | .. | .. |
| Hyde Park, | 12,805 | 3 | 1 | 1 | .. | 1 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 4 | 2 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 4 | 1 | .. | 2 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Scarlet Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,536,307 | 540 | 183 | 48 | 74 | 9 | 11 | 13 |

## DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-eight deaths were reported from the principal infectious diseases: diphtheria and croup, 13; scarlet fever, 11; cerebro-spinal meningitis, 9; measles, 6; diarrhœal diseases, 3; whooping-cough, 3; erysipelas, 2; typhoid fever, 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 74 deaths from acute lung diseases, consumption, 62, and stillbirths, 27.

From measles: Lowell, 5; Cambridge, 1. From diarrhœal diseases: Worcester, Cambridge and Lowell, 1 each. From whooping-cough: Boston, 2; Somerville, 1. From erysipelas: Boston and Quincy, 1 each. From typhoid fever: Boston, 1.

Deaths under five years of age numbered 130, as compared with 125 for the preceding week.

Deaths from the principal infectious diseases numbered 48, as compared with 43 for the preceding week.

The death rates for the week were: Boston, 21.64; Worcester, 17.77; Fall River,——; Cambridge, 16.21; Lowell, 26.37; Lynn,——; New Bedford, 14.87; Somerville, 10.21; Lawrence, 22.79; Springfield, 13.80; Holyoke, 7.18; Brockton, ——; Salem, 22.56; Malden, 24.03; Chelsea, 9.30; Haverhill, 11.36; Gloucester, 5.10; Newton, 22.75; Fitchburg, 7.04; Taunton, 23.99; Everett, 14.35; Quincy, 22.00; Pittsfield, 11.48; Waltham, 16.68; North Adams, 7.56; Chicopee, 23.28; Northampton,——; Medford,——; Marlborough,——; Newburyport,——; Woburn,——.

The total death rate for the week was 15.82, as compared with 16.38 and 15.57 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JUNE 3, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 94 | Measles, | 574 |
| Diphtheria and croup, | 93 | Typhoid fever, | 13 |
| Small-pox, | 1 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

---

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, June 3, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| May | | | | | | | | | | | | | | | |
| Sunday, 28, | 30.00 | 60 | 72 | 49 | 73 | 87 | 80 | W. | N. E. | 7 | 10 | O. | O. | | 0.00 |
| Monday, 29, | 30.17 | 52 | 56 | 49 | 75 | 83 | 79 | N. E. | S. | 10 | 12 | O. | F. | | 0.00 |
| Tuesday, 30, | 29.94 | 66 | 82 | 50 | 86 | 52 | 69 | S. W. | W. | 12 | 10 | O. | C. | | 0.00 |
| Wednes'y, 31, | 29.93 | 74 | 86 | 62 | 47 | 48 | 48 | S. W. | S. W. | 12 | 10 | C. | C. | | 0.00 |
| June | | | | | | | | | | | | | | | |
| Thursday, 1, | 29.84 | 76 | 88 | 64 | 60 | 65 | 62 | S. W. | S. W. | 10 | 9 | C. | C. | | 0.00 |
| Friday, 2, | 29.87 | 73 | 83 | 63 | 75 | 51 | 63 | N. W. | W. | 5 | 4 | O. | C. | | 0.03 |
| Saturday, 3, | 30.05 | 70 | 75 | 65 | 54 | 42 | 48 | N. E. | E. | 2 | 12 | F. | C. | | 0.00 |
| Week, - - | 29.96 | | 77 | 57 | | | 64 | | | | | | | | 0.03 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, June 10, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 23.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

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Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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# MORTALITY OF MASSACHUSETTS

For the Week ending June 10, 1899.

## Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diphtheria and Croup. | Cerebro-spinal meningitis. | Scarlet Fever. |
| Boston, | 528,463 | 208 | 62 | 17 | 27 | 4 | 2 | 4 |
| Worcester, | 108,240 | 24 | 11 | 1 | 3 | .. | 1 | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 25 | 7 | 3 | 3 | .. | 1 | 1 |
| Lowell, | 88,641 | 37 | 22 | 9 | 8 | .. | .. | 3 |
| Lynn, | 66,703 | 15 | 3 | 2 | .. | 1 | 1 | .. |
| New Bedford, | 66,340 | 19 | 8 | 2 | 1 | .. | .. | .. |
| Somerville, | 61,101 | 14 | 7 | 3 | 2 | .. | 3 | .. |
| Lawrence, | 57,263 | 18 | 7 | 3 | 2 | .. | .. | .. |
| Springfield, | 56,501 | 17 | 4 | 1 | 4 | 1 | .. | .. |
| Holyoke, | 43,424 | 11 | 5 | 1 | 2 | .. | .. | .. |
| Brockton, | 37,278 | 5 | 1 | 1 | 1 | .. | 1 | .. |
| Salem, | 36,883 | 13 | 4 | 1 | .. | .. | .. | 1 |
| Malden, | 34,613 | 8 | 2 | .. | 1 | .. | .. | .. |
| Chelsea, | 33,468 | 7 | 2 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 12 | 2 | .. | 3 | .. | .. | .. |
| Gloucester, | 30,589 | 1 | 0 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 3 | 0 | .. | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 4 | 0 | 1 | .. | .. | .. | .. |
| Taunton, | 28,167 | 12 | 4 | 1 | 2 | .. | .. | .. |
| Everett, | 25,338 | 9 | 2 | .. | 1 | .. | .. | .. |
| Quincy, | 23,549 | 9 | 0 | 1 | 2 | 1 | .. | .. |
| Pittsfield, | 22,643 | 6 | 1 | .. | 1 | .. | .. | .. |
| Waltham, | 22,296 | 5 | 0 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 9 | 0 | 2 | .. | .. | 2 | .. |
| Brookline, | 18,600 | 2 | 0 | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 7 | 3 | 1 | .. | 1 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 7 | 0 | 1 | .. | .. | 1 | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 3 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | 3 | 1 | 1 | .. | .. | .. | .. |
| Melrose, | 14,032 | 6 | 1 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 5 | 4 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 3 | 1 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 4 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diphtheria and Croup. | Cerebro-spinal meningitis. | Scarlet Fever. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,704,899 | 531 | 164 | 52 | 66 | 8 | 12 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-two deaths were reported from the principal infectious diseases: cerebro-spinal meningitis, 12; scarlet fever, 9; diphtheria and croup, 8; diarrhœal diseases, 7; whooping-cough, 5; typhoid fever and erysipelas, 2 each; small-pox, 1.

No deaths were reported from malarial fever and puerperal fever.

There were 66 deaths from acute lung diseases, consumption, 52, and stillbirths, 39.

From diarrhœal diseases: Boston, Lowell and New Bedford, 2 each; Taunton, 1. From measles: Lowell, 2; Boston, Cambridge, Lawrence and Fitchburg, 1 each. From whooping-cough: Lowell and Lawrence, 2 each; Boston, 1. From typhoid fever: Boston and Holyoke, 1 each. From erysipelas: Boston and Woburn, 1 each. From small-pox: Boston, 1.

Deaths under five years of age numbered 164, as compared with 183 for the preceding week.

Deaths from the principal infectious diseases numbered 52, as compared with 48 for the preceding week.

The death rates for the week were: Boston, 20.46; Worcester, 11.52; Fall River,——; Cambridge, 14.47; Lowell, 21.68; Lynn, 11.68; New Bedford, 14.87; Somerville, 11.91; Lawrence, 16.34; Springfield, 15.64; Holyoke, 13.16; Brockton, 6.97; Salem, 18.33; Malden, 12.01; Chelsea, 10.85; Haverhill, 19.47; Gloucester, 1.70; Newton, 5.15; Fitchburg, 7.04; Taunton, 22.15; Everett, 18.45; Quincy, 19.80; Pittsfield, 13.77; Waltham, 11.92; North Adams, 22.68; Chicopee, 20.37; Northampton,——; Medford, 21.98; Marlborough,——; Newburyport, 10.44; Woburn, 10.68.

The total death rate for the week was 16.19, as compared with 15.82 and 16.38 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JUNE 10, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 104 | Measles, | 661 |
| Diphtheria and croup, | 86 | Typhoid fever, | 20 |
| Small-pox, | 12 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, June 10, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 4, | 30.10 | 68 | 75 | 62 | 44 | 45 | 44 | E. | S. | 7 | 13 | | F. | F. | | | 0.00 |
| Monday, 5, | 29.92 | 78 | 92 | 63 | 65 | 63 | 64 | S. W. | S. W. | 15 | 14 | | O. | F. | | | 0.00 |
| Tuesday, 6, | 29.86 | 84 | 93 | 75 | 55 | 51 | 53 | W. | W. | 17 | 12 | | F. | F. | | | 0.00 |
| Wednes'y, 7, | 30.03 | 65 | 78 | 52 | 87 | 95 | 91 | E. | E. | 8 | 8 | | O. | R. | | | 0.38 |
| Thursday, 8, | 29.80 | 72 | 90 | 54 | 87 | 43 | 65 | S. W. | W. | 7 | 11 | | O. | F. | | | 0.24 |
| Friday, 9, | 29.91 | 72 | 79 | 65 | 42 | 58 | 50 | N. W. | W. | 12 | 8 | | F. | O. | | | 0.00 |
| Saturday, 10, | 30.02 | 66 | 72 | 60 | 50 | 63 | 56 | N. | S. | 11 | 11 | | F. | C. | | | 0.00 |
| Week, - - | 29.95 | | 83 | 61 | | | 61 | | | | | | | | | | 0.62 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, June 17, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 24.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending June 17, 1899.

## Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 159 | 48 | 11 | 21 | 3 | 2 | 2 |
| Worcester, | 108,240 | 30 | 7 | 2 | 4 | .. | .. | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 19 | 4 | 4 | 2 | 2 | .. | .. |
| Lowell, | 88,641 | 36 | 16 | 6 | 3 | 2 | .. | 1 |
| Lynn, | 66,703 | 19 | 2 | .. | 1 | .. | .. | .. |
| New Bedford, | 66,340 | 22 | 9 | 4 | 6 | 3 | 1 | .. |
| Somerville, | 61,101 | 10 | 1 | .. | 2 | .. | .. | .. |
| Lawrence, | 57,263 | 25 | 13 | 5 | .. | 3 | .. | 1 |
| Springfield, | 56,501 | 19 | 4 | 1 | .. | 1 | .. | .. |
| Holyoke, | 43,424 | 10 | 4 | .. | 1 | .. | .. | .. |
| Brockton, | 37,278 | 7 | 0 | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 10 | 7 | 1 | .. | 1 | .. | .. |
| Malden, | 34,613 | 2 | 1 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 17 | 2 | 2 | .. | .. | 1 | 1 |
| Haverhill, | 32,022 | 4 | 0 | .. | .. | .. | .. | .. |
| Gloucester, | 30,589 | 3 | 1 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 7 | 0 | 1 | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 2 | 0 | .. | .. | .. | .. | .. |
| Taunton, | 28,167 | 13 | 2 | .. | 1 | .. | .. | .. |
| Everett, | 25,338 | 4 | 1 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | .. | .. | .. | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 3 | 0 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 8 | 2 | 1 | .. | .. | .. | .. |
| North Adams, | 20,971 | 5 | 2 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 5 | 4 | 2 | .. | 2 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 2 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 6 | 3 | .. | 1 | .. | .. | .. |
| Woburn, | 14,585 | 8 | 0 | .. | 1 | .. | .. | .. |
| Melrose, | 14,032 | 4 | 0 | 1 | 1 | .. | 1 | .. |
| Hyde Park, | 12,805 | .. | .. | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 1 | 1 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 2 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,606,413 | 462 | 134 | 41 | 45 | 17 | 5 | 5 |

## DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-one deaths were reported from the principal infectious diseases: diarrhœal diseases, 17; diphtheria and croup, 5; typhoid fever, 5; cerebro-spinal meningitis, 4; measles, 4; scarlet fever, 3; erysipelas, 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 47 deaths from consumption, acute lung diseases, 45, and stillbirths, 28.

From cerebro-spinal meningitis: Worcester, 2; Boston and Newton, 1 each. From measles: Lowell, 3; Cambridge, 1. From scarlet fever: Cambridge, New Bedford and Waltham, 1 each. From erysipelas: Boston, 1.

Deaths under five years of age numbered 134, as compared with 164 for the preceding week.

Deaths from the principal infectious diseases numbered 41, as compared with 52 for the preceding week.

The death rates for the week were: Boston, 15.64; Worcester, 14.41; Fall River,——; Cambridge, ——; Lowell, 21.09; Lynn, 14.80; New Bedford, 17.22; Somerville, 8.51; Lawrence, 22.70; Springfield, 17.48; Holyoke, 11.97; Brockton, 9.76; Salem, 14.10; Malden, 3.00; Chelsea, 26.35; Haverhill, 6.49; Gloucester, 5.10; Newton, 12.25; Fitchburg, 3.52; Taunton, 23.99; Everett, 10.20; Quincy, ——; Pittsfield, 6.88; Waltham, 18.67; North Adams, 12.60; Chicopee, 14.55; Northampton,——; Medford, 6.28; Marlborough,——; Newburyport, 20.88; Woburn, 28.48.

The total death rate for the week was 14.96, as compared with 16.19 and 15.82 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JUNE 17, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 71 | Measles, | 536 |
| Diphtheria and croup, | 81 | Typhoid fever, | 31 |
| Small-pox, | 4 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, June 17, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 11, | 30.19 | 65 | 74 | 56 | 31 | 53 | 42 | N. W. | S. | 4 | 12 | C. | C. | | 0.00 |
| Monday, 12, | 30.18 | 68 | 78 | 57 | 65 | 74 | 69 | S. W. | S. W. | 12 | 15 | C. | F. | | 0.00 |
| Tuesday, 13, | 30.05 | 75 | 86 | 64 | 73 | 74 | 73 | W. | S. W. | 5 | 14 | C. | C. | | 0.00 |
| Wednes'y, 14, | 29.93 | 80 | 92 | 67 | 82 | 71 | 76 | S. W. | W. | 13 | 3 | O. | O. | | 0.03 |
| Thursday, 15, | 29.89 | 66 | 73 | 58 | 97 | 100 | 98 | E. | N. W. | 6 | 2 | O. | R. | | 0.21 |
| Friday, 16, | 29.89 | 66 | 74 | 58 | 66 | 49 | 57 | W. | N. W. | 12 | 12 | F. | C. | | 0.25 |
| Saturday, 17, | 30.13 | 62 | 68 | 56 | 69 | 69 | 69 | N. | S. W. | 9 | 9 | O. | C. | | 0.00 |
| Week, - - | 30.04 | | 78 | 59 | | | 69 | | | | | | | | 0.49 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, June 24, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 25.

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# MORTALITY OF MASSACHUSETTS

For the Week ending June 24, 1899.

## Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 168 | 48 | 11 | 18 | 4 | 1 | 3 |
| Worcester, | 108,240 | 22 | 4 | 2 | 3 | .. | 1 | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 26 | 8 | 2 | 1 | .. | .. | 1 |
| Lowell, | 88,641 | 29 | 12 | 6 | 5 | 4 | .. | 1 |
| Lynn, | 66,703 | 16 | 4 | 2 | .. | .. | .. | .. |
| New Bedford, | 66,340 | 16 | 8 | 3 | 1 | 3 | .. | .. |
| Somerville, | 61,101 | 12 | 1 | .. | 2 | .. | .. | .. |
| Lawrence, | 57,263 | 24 | 16 | 6 | .. | 4 | .. | 2 |
| Springfield, | 56,501 | 14 | 5 | 5 | 1 | 3 | .. | 1 |
| Holyoke, | 43,424 | 16 | 5 | 4 | .. | 4 | .. | .. |
| Brockton, | 37,278 | 7 | 2 | .. | 1 | .. | .. | .. |
| Salem, | 36,883 | 5 | 3 | 1 | .. | 1 | .. | .. |
| Malden, | 34,613 | 6 | 0 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 8 | 1 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | 10 | 1 | .. | .. | .. | .. | .. |
| Gloucester, | 30,589 | .. | .. | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 9 | 0 | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | 8 | 5 | 3 | 1 | 1 | .. | 1 |
| Taunton, | 28,167 | 9 | 2 | .. | 1 | .. | .. | .. |
| Everett, | 25,338 | 6 | 0 | 1 | .. | .. | 1 | .. |
| Quincy, | 23,549 | 8 | 1 | 2 | 1 | 1 | .. | .. |
| Pittsfield, | 22,643 | 9 | 3 | 1 | 1 | 1 | .. | .. |
| Waltham, | 22,296 | 8 | 1 | 1 | .. | .. | .. | .. |
| North Adams, | 20,971 | 2 | 1 | .. | 1 | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 4 | 2 | 1 | .. | 1 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 4 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 5 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 3 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | .. | .. | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 1 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 4 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,628,320 | 459 | 133 | 51 | 37 | 27 | 3 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-one deaths were reported from the principal infectious diseases: diarrhœal diseases, 27; diphtheria and croup, 9; erysipelas, 4; typhoid fever, 3; whooping cough, 3; measles, 3; cerebro-spinal meningitis, 1; scarlet fever, 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 49 deaths from consumption, acute lung diseases, 37, and stillbirths, 36.

From erysipelas: Boston, 2; Springfield and Quincy, 1 each. From whooping cough: Boston, Cambridge and Fitchburg, 1 each. From measles: Lowell, Lynn and Waltham, 1 each. From cerebro-spinal meningitis: Lynn, 1. From scarlet fever: Worcester, 1.

Deaths under five years of age numbered 133, as compared with 134 for the preceding week.

Deaths from the principal infectious diseases numbered 51, as compared with 41 for the preceding week.

The death rates for the week were: Boston, 16.53; Worcester, 10.56; Fall River,——; Cambridge, ——; Lowell, 16.99; Lynn, 12.46; New Bedford, 12.58; Somerville, 10.21; Lawrence, 21.79; Springfield, 12.88; Holyoke, 19.15; Brockton, 9.76; Salem. 7.05; Malden, 9.01; Chelsea, 12.40; Haverhill, 16.23; Gloucester, ——; Newton, 15.75; Fitchburg, 14.08; Taunton, 15.61; Everett, 12.30; Quincy, 17.60; Pittsfield, 20.66; Waltham, 18.67; North Adams, 5.04; Chicopee, 11.64; Northampton,——; Medford, 12.56; Marlborough,——; Newburyport, 17.40; Woburn, ——.

The total death rate for the week was 14.66, as compared with 14.96 and 16.19 for the previous two weeks.

---

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JUNE 24, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 55 | Measles, | 377 |
| Diphtheria and croup, | 92 | Typhoid fever, | 27 |
| Small-pox, | 2 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

---

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, June 24, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 18, | 30.09 | 65 | 70 | 60 | 70 | 54 | 62 | N. E. | S. | 3 | 9 | | O. | O. | | | 0.00 |
| Monday, 19, | 29.93 | 71 | 83 | 59 | 63 | 68 | 66 | W. | S. | 6 | 9 | | C. | C. | | | 0.00 |
| Tuesday, 20, | 29.84 | 74 | 87 | 62 | 65 | 91 | 78 | S. | S. | 6 | 12 | | C. | R. | | | 0.35 |
| Wednes'y, 21, | 29.84 | 68 | 76 | 60 | 58 | 52 | 55 | W. | N. W. | 12 | 18 | | C. | C. | | | 0.12 |
| Thursday, 22, | 30.18 | 63 | 72 | 54 | 56 | 44 | 50 | N. | W. | 12 | 4 | | C. | O. | | | 0.00 |
| Friday, 23, | 30.24 | 68 | 77 | 60 | 58 | 72 | 65 | W. | S. W. | 12 | 19 | | C. | O. | | | 0.00 |
| Saturday, 24, | 30.10 | 75 | 86 | 64 | 72 | 77 | 74 | W. | S. W. | 9 | 20 | | C. | O. | | | 0.04 |
| Week, - - | 30.03 | | 79 | 60 | | | 64 | | | | | | | | | | 0.51 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of May.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, | 421 | 52 | 473 | Maple Syrup, | 5 | 0 | 5 |
| Butter, | 18 | 0 | 18 | Canned Goods, | 2 | 1 | 3 |
| Cheese, | 2 | 0 | 2 | Honey, | 2 | 0 | 2 |
| Lard, | 3 | 0 | 3 | Tea, | 4 | 2 | 6 |
| Olive Oil, | .. | .. | .. | Coffee, | 14 | 1 | 15 |
| Vinegar, | 2 | 1 | 3 | Cocoa, | .. | .. | .. |
| Spices, | 89 | 14 | 103 | Confectionery, | 7 | 0 | 7 |
| Cream of Tartar, | 27 | 1 | 28 | Other articles of Food and Drinks, | 7 | 2 | 9 |
| Molasses, | 14 | 1 | 15 | Drugs, | 31 | 28 | 59 |
| Syrups, | .. | .. | .. | | | | |
| Maple Sugar, | 2 | 0 | 2 | | | | |
| | | | | Totals, | 650 | 103 | 753 |

Percentage of adulteration, 13.7. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 11 per cent., as compared with 6.08 per cent. for the preceding month, while the percentage of other articles of food was 10.4.

Seven complaints were entered in the courts during the month for violation of the laws relative to the inspection of Foods and Drugs. Three of these were for violation of the statutes relative to the sale of Milk, Butter 2 and Molasses 2. Fines were imposed amounting to $165.

The samples of drugs found to be adulterated were Chloroform, Compound Spirit of Ether, Glycerin, Distilled Water, Olive Oil, Syrup, Tincture of Iodine, Tincture of Opium and White Wine.

Cities and towns from which samples of food were collected were Boston, Cambridge, Somerville, Lawrence, Springfield, Holyoke, Salem, Chelsea, Haverhill, Newton, Chicopee, Abington, Amherst, Ashland, Brookline, Dedham, Mansfield, Milford, Natick, Rockland, Stoughton, Watertown and Westborough.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, July 1, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 26.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending July 1, 1899.

## Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
| Boston, | 528,463 | 193 | 60 | 10 | 29 | 1 | 1 | 4 |
| Worcester, | 108,240 | 28 | 11 | 3 | 2 | .. | 2 | 1 |
| Fall River, | 95,919 | 26 | 9 | 6 | 5 | 6 | .. | .. |
| Cambridge, | 89,724 | 27 | 10 | 2 | 1 | .. | .. | .. |
| Lowell, | 88,641 | 38 | 15 | 3 | 5 | 3 | .. | .. |
| Lynn, | 66,703 | 21 | 3 | 2 | 3 | 1 | .. | .. |
| New Bedford, | 66,340 | 15 | 5 | 2 | 1 | 1 | .. | .. |
| Somerville, | 61,101 | 12 | 7 | .. | .. | .. | .. | .. |
| Lawrence, | 57,263 | 19 | 11 | 7 | 3 | 5 | .. | 2 |
| Springfield, | 56,501 | 18 | 2 | 2 | 3 | 1 | 1 | .. |
| Holyoke, | 43,424 | 16 | 5 | 2 | 2 | 2 | .. | .. |
| Brockton, | 37,278 | 10 | 5 | 1 | .. | .. | .. | 1 |
| Salem, | 36,883 | 10 | 1 | .. | 2 | .. | .. | .. |
| Malden, | 34,613 | 4 | 2 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 6 | 2 | .. | 1 | .. | .. | .. |
| Haverhill, | 32,022 | 10 | 3 | .. | 1 | .. | .. | .. |
| Gloucester, | 30,589 | .. | .. | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 2 | 0 | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | 4 | 2 | 1 | .. | 1 | .. | .. |
| Taunton, | 28,167 | 7 | 3 | .. | .. | .. | .. | .. |
| Everett, | 25,338 | 6 | 5 | 1 | .. | .. | 1 | .. |
| Quincy, | 23,549 | 3 | 2 | .. | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 3 | 1 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 5 | 3 | 2 | .. | 2 | .. | .. |
| North Adams, | 20,971 | 5 | 3 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 13 | 8 | 7 | 1 | 6 | .. | 1 |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 6 | 0 | .. | 2 | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 5 | 0 | .. | 1 | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 1 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 3 | 1 | 1 | .. | 1 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 2 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10.098 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,726,946 | 518 | 179 | 52 | 62 | 30 | 5 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-two deaths were reported from the principal infectious diseases: diarrhœal diseases, 30; diphtheria and croup, 9; cerebro-spinal meningitis, 5; scarlet fever, 3; erysipelas, 2; measles, 2; small-pox, 1.

There were 62 deaths from consumption, acute lung diseases, 28, and stillbirths, 40.

From scarlet fever: Boston, Cambridge, and New Bedford, 1 each. From erysipelas Boston and Cambridge 1 each. From measles: Boston and Lyun 1 each. From small-pox: Boston 1.

Deaths under five years of age numbered 179, as compared with 133 for the preceding week.

Deaths from the principal infectious diseases numbered 52, as compared with 51 for the preceding week.

The death rates for the week were: Boston, 18.75; Worcester, 13.45; Fall River, 13.85; Cambridge, 15.63; Lowell, 22.26; Lynu, 16.35; New Bedford, 11.74; Somerville, 10.21; Lawrenee, 17.25; Springfield, 16.56; Holyoke, 19.15; Brockton, 13.95; Salem, 14.10; Malden, 6.00; Chelsea, 9.30; Haverhill, 16.23; Gloucester, ——; Newton, 3.50; Fitchhurg, 7.04; Taunton, 12.92; Everett, 12.30; Quincy, 6.60; Pittsfield, 6.88; Waltham, 11.92; North Adams, 12.60; Chicopee, ——; Northampton, ——; Medford, 18.84; Marlborough, ——; Newhuryport; 17.40; Wohurn, ——.

The total death rate for the week was 15.66, as compared with 14.65 and 14.96 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 1, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 60 | Measles, | 227 |
| Diphtheria and croup, | 110 | Typhoid fever, | 34 |
| Small-pox, | 37 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, July 1, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, June 25, | 30.05 | 71 | 76 | 66 | 81 | 83 | 82 | W. | S. W. | 7 | 10 | | O. | O. | | | 0.08 |
| Monday, 26, | 30.06 | 70 | 80 | 60 | 69 | 41 | 55 | W. | N. | 7 | 7 | | C. | C. | | | 0.00 |
| Tuesday, 27, | 30.10 | 68 | 80 | 57 | 51 | 45 | 48 | W. | W. | 5 | 6 | | C. | C. | | | 0.01 |
| Wednes'y, 28, | 29.96 | 70 | 82 | 59 | 55 | 94 | 74 | S. W. | E. | 9 | 4 | | O. | O. | | | 0.66 |
| Thursday, 29, | 29.91 | 66 | 77 | 54 | 87 | 45 | 66 | N. | W. | 7 | 5 | | O. | C. | | | 0.46 |
| Friday, 30, | 30.10 | 65 | 75 | 55 | 30 | 43 | 36 | N. W. | S. E. | 27 | 5 | | C. | C. | | | 0.00 |
| Saturday, July 1, | 30.17 | 68 | 82 | 55 | 51 | 44 | 48 | W. | S. W. | 5 | 13 | | C. | C. | | | 0.00 |
| Week, - - | 30.05 | | 79 | 58 | | | 59 | | | | | | | | | | 1.21 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening .. N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, July 8, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 27.

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# MORTALITY OF MASSACHUSETTS

For the Week ending July 8, 1899.

## Deaths reported to the State Board of Health in 25 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Whooping-cough. | Diphtheria and Croup. |
| Boston, | 528,463 | 195 | 66 | 28 | 25 | 11 | 3 | 6 |
| Worcester, | 108,240 | .. | .. | .. | .. | .. | .. | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 31 | 19 | 13 | 3 | 9 | 1 | 2 |
| Lowell, | 88,641 | 48 | 33 | 23 | 2 | 20 | 1 | 2 |
| Lynn, | 66,703 | .. | .. | .. | .. | .. | .. | .. |
| New Bedford, | 66,340 | 24 | 21 | 10 | 1 | 9 | .. | 1 |
| Somerville, | 61,101 | 11 | 5 | 1 | .. | 1 | .. | .. |
| Lawrence, | 57,263 | 37 | 24 | 16 | 5 | 12 | .. | 3 |
| Springfield, | 56,501 | 15 | 9 | 6 | 2 | 5 | .. | 1 |
| Holyoke, | 43,424 | 16 | 10 | 4 | 2 | 4 | .. | .. |
| Brockton, | 37,278 | 9 | 2 | 1 | .. | .. | .. | 1 |
| Salem, | 36,883 | 21 | 9 | 1 | 1 | 1 | .. | .. |
| Malden, | 34,613 | 8 | 0 | .. | 1 | .. | .. | .. |
| Chelsea, | 33,468 | 15 | 3 | 1 | 3 | .. | .. | 1 |
| Haverhill, | 32,022 | 6 | 1 | .. | .. | .. | .. | .. |
| Gloucester, | 30,589 | 4 | 1 | .. | 1 | .. | .. | .. |
| Newton, | 29,716 | 13 | 5 | 1 | .. | .. | .. | .. |
| Fitchburg, | 29,438 | .. | .. | .. | .. | .. | .. | .. |
| Taunton, | 28,167 | 15 | 6 | 2 | .. | 2 | .. | .. |
| Everett, | 25,338 | 7 | 4 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 6 | 1 | .. | 4 | .. | .. | .. |
| Pittsfield, | 22,643 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 9 | 2 | .. | 1 | .. | .. | .. |
| North Adams, | 20,971 | 3 | 0 | .. | .. | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 12 | 7 | 6 | .. | 6 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | .. | .. | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 2 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | .. | .. | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 4 | 2 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 2 | 1 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Whooping-cough. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,483,673 | 506 | 213 | 113 | 51 | 80 | 6 | 17 |

## DEATHS FROM PREVALENT DISEASES IN 25 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and thirteen deaths were reported from the principal infectious diseases: diarrhœal diseases, 80; diphtheria and croup, 17; whooping cough, 6; cerebro-spinal meningitis, 4; typhoid fever, 3; scarlet fever, 2; puerperal fever, 1.

There were 51 deaths from consumption, acute lung diseases, 30, and stillbirths, 25.

From cerebro-spinal meningitis: Boston, 3; Newton, 1. From typhoid fever: Boston, 2; Cambridge, 1. From scarlet fever: Boston, 2.

Deaths under five years of age numbered 213, as compared with 179 for the preceding week.

Deaths from the principal infectious diseases numbered 113, as compared with 52 for the preceding week.

The death rates for the week were: Boston, 19.18; Worcester, —— ; Fall River, —— ; Cambridge, —— ; Lowell, 28.12; Lynn, —— ; New Bedford, 18.79; Somerville, 9.36; Lawrence, 33.59; Springfield, 13.80; Holyoke, 19.15; Brockton, 12.55; Salem, 29.61; Malden, 12.01; Chelsea, 23.25; Haverhill, 9.73; Gloucester, 6.80; Newton, 22.75; Fitchburg, —— ; Taunton, 27.69; Everett, 14.35; Quincy, 13.20; Pittsfield, —— ; Waltham, 21.42; North Adams, 7.56; Chicopee, —— ; Northampton, —— ; Medford, 9.42; Marlborough, —— ; Newburyport —— ; Woburn, ——.

The total death rate for the week was 17.06 as compared with 15.66, and 14.65 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 8, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 46 | Measles, | 194 |
| Diphtheria and croup, | 116 | Typhoid fever, | 20 |
| Small-pox, | 1 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, July 8, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 2, | 30.03 | 74 | 86 | 61 | 52 | 65 | | 58 | S. W. | S. W. | 10 | 15 | | C. | C. | | | 0.00 |
| Monday, 3, | 30.02 | 78 | 92 | 65 | 62 | 69 | | 66 | W. | S. W. | 10 | 14 | | C. | C. | | | 0.00 |
| Tuesday, 4, | 30.04 | 81 | 94 | 68 | 57 | 68 | | 62 | S. W. | S. W. | 12 | 14 | | C. | C. | | | 0.00 |
| Wednes'y, 5, | 30.00 | 80 | 89 | 70 | 73 | 80 | | 76 | S. W. | S. | 11 | 13 | | C. | C. | | | 0.00 |
| Thursday, 6, | 29.86 | 81 | 90 | 72 | 79 | 64 | | 72 | S. W. | S. W. | 9 | 13 | | O. | O. | | | 0.02 |
| Friday, 7, | 29.92 | 78 | 86 | 71 | 72 | 58 | | 65 | W. | W. | 12 | 8 | | C. | C. | | | 0.00 |
| Saturday, 8, | 29.82 | 72 | 77 | 68 | 77 | 91 | | 84 | E. | S. W. | 8 | 6 | | O. | O. | | | 0.45 |
| Week, - - | 29.98 | | 88 | 68 | | | | 69 | | | | | | | | | | 0.47 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

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# MORTALITY OF MASSACHUSETTS

For the Week ending July 15, 1899.

## Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

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|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. |
| Boston, | 528,463 | 198 | 90 | 39 | 15 | 22 | 2 | 3 |
| Worcester, | 108,240 | 27 | 8 | 5 | 2 | 25 | 1 | .. |
| Fall River, | 95,919 | 62 | 51 | 27 | 5 | 4 | .. | 1 |
| Cambridge, | 89,724 | 22 | 8 | 7 | 5 | 7 | .. | .. |
| Lowell, | 88,641 | 36 | 25 | 16 | 2 | 12 | .. | .. |
| Lynn, | 66,703 | 15 | 2 | 4 | .. | 1 | 1 | 1 |
| New Bedford, | 66,340 | 21 | 14 | 15 | 1 | 14 | .. | .. |
| Somerville, | 61,101 | 21 | 6 | 7 | 2 | 4 | 2 | 1 |
| Lawrence, | 57,263 | 27 | 16 | 10 | 4 | 9 | .. | .. |
| Springfield, | 56,501 | 26 | 8 | 10 | 4 | 7 | 1 | 2 |
| Holyoke, | 43,424 | 17 | 9 | 9 | 3 | 7 | .. | 2 |
| Brockton, | 37,278 | 10 | 3 | 2 | 2 | 2 | .. | .. |
| Salem, | 36,883 | 17 | 8 | 5 | 2 | 5 | .. | .. |
| Malden, | 34,613 | 10 | 0 | .. | 4 | .. | .. | .. |
| Chelsea, | 33,468 | 16 | 7 | 4 | 1 | 1 | 1 | 1 |
| Haverhill, | 32,022 | 8 | 4 | 1 | .. | 1 | .. | .. |
| Gloucester, | 30,589 | 2 | 0 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 3 | 3 | 2 | .. | 2 | .. | .. |
| Fitchburg, | 29,438 | 6 | 1 | 1 | .. | .. | 1 | .. |
| Taunton, | 28,167 | 14 | 5 | 3 | 1 | 2 | 1 | .. |
| Everett, | 25,338 | 6 | 3 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 1 | 1 | .. | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 3 | 0 | .. | 1 | .. | .. | .. |
| Waltham, | 22,296 | 9 | 3 | 3 | 2 | 3 | .. | .. |
| North Adams, | 20,971 | 12 | 5 | 3 | 1 | 3 | .. | .. |
| Brookline, | 18,600 | 4 | 1 | .. | 1 | .. | .. | .. |
| Chicopee, | 17,842 | 9 | 6 | 3 | 1 | 2 | .. | 1 |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 8 | 4 | 3 | .. | 1 | 1 | 1 |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 3 | 0 | 1 | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 5 | 3 | 2 | 1 | 2 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 4 | 0 | .. | 1 | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 5 | 0 | 1 | 1 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,786,233 | 630 | 294 | 183 | 63 | 136 | 11 | 13 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and eighty-three deaths were reported from the principal infectious diseases: diarrhœal diseases, 136; typhoid fever, 13; cerebro-spinal meningitis, 12; diphtheria and croup, 10; whooping-cough, 6; scarlet fever, 4; measles, 2.

No deaths were reported from small-pox, puerperal fever, erysipelas and malarial fever.

There were 63 deaths from consumption, acute lung diseases, 29, and stillbirths, 31.

From diphtheria and croup: Boston, 7; Fall River, New Bedford and Melrose, 1 each. From whooping-cough: Boston and Lowell, 2 each; Lawrence and Chelsea, 1 each. From scarlet fever: Lowell, 2; Boston and Lynn, 1 each. From measles: Boston, 2.

Deaths under five years of age numbered 294, as compared with 213 for the preceding week.

Deaths from the principal infectious diseases numbered 183, as compared with 113 for the preceding week.

The death rates for the week were: Boston, 19.48; Worcester, 12.97; Fall River, 33.04; Cambridge, 12.73; Lowell, 21.09; Lynn, 11.68; New Bedford, 16.44; Somerville, 17.87; Lawrence, 24.51; Springfield, 23.92; Holyoke, 20.34; Brockton, 13.95; Salem, 23.97; Malden, 15.02; Chelsea, 24.80; Haverhill, 12.98; Gloucester, 3.40; Newton, 5.25; Fitchburg, 10.56; Taunton, 25.84; Everett, 18.30; Quincy, 2.20; Pittsfield, 6.88; Waltham, 21.42; North Adams, ——; Chicopee, 26.19; Northampton, ——; Medford, 9.42; Marlborough, ——; Newburyport, 27.84; Woburn, ——.

The total death rate for the week was 18.34 as compared with 17.06, and 15.66 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 15, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 52 | Measles, | 72 |
| Diphtheria and croup, | 92 | Typhoid fever, | 49 |
| Small-pox, | 2 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, July 15, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 9, | 29.69 | 73 | 81 | 65 | 83 | 65 | 74 | S. | S. W. | 10 | 10 | | O. | C. | | | 0.58 |
| Monday, 10, | 29.94 | 70 | 83 | 58 | 74 | 42 | 58 | N. W. | W. | 12 | 5 | | O. | C. | | | T |
| Tuesday, 11, | 30.10 | 76 | 87 | 65 | 55 | 65 | 60 | W. | S. W. | 6 | 14 | | C. | C. | | | 0.00 |
| Wednes'y, 12, | 29.99 | 75 | 85 | 65 | 64 | 68 | 66 | S. W. | S. W. | 12 | 10 | | C. | O. | | | 0.00 |
| Thursday, 13, | 29.86 | 72 | 81 | 63 | 52 | 40 | 46 | W. | N. | 11 | 3 | | C. | C. | | | T |
| Friday, 14, | 29.89 | 74 | 85 | 63 | 57 | 45 | 51 | N. W. | N. W. | 10 | 10 | | C. | F. | | | 0.00 |
| Saturday, 15, | 29.94 | 74 | 82 | 66 | 53 | 60 | 56 | N. W. | S. | 10 | 6 | | C. | O. | | | T |
| Week, - - | 29.92 | 73 | 83 | 64 | 63 | 55 | 59 | | | 10 | 8 | | | | | | 0.58 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of June.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 355 | 90 | 445 | Maple Syrup, . . | 4 | 1 | 5 |
| Butter, . . . | 9 | 0 | 9 | Canned Goods, . | .. | .. | .. |
| Cheese, . . . | 2 | 0 | 2 | Honey, . . . | 4 | 2 | 6 |
| Lard, . . . | 3 | 0 | 3 | Tea, . . . | 3 | 1 | 4 |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | 16 | 4 | 20 |
| Vinegar, . . . | 7 | 1 | 8 | Cocoa, . . . | 1 | 2 | 3 |
| Spices, . . . | 110 | 27 | 137 | Vanilla Extracts, . | 19 | 24 | 43 |
| Cream of Tartar, . | 21 | 0 | 21 | Other articles of Food and Drinks, | 8 | 4 | 12 |
| Molasses, . . . | 20 | 2 | 22 | Drugs, . . . | 16 | 13 | 29 |
| Syrups, . . . | 0 | 1 | 0 | | | | |
| Maple Sugar, . . | .. | .. | .. | | | | |
| | | | | Totals, . . | 598 | 172 | 770 |

Percentage of adulteration, 22.3. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 20.2 per cent., as compared with 10.04 per cent. for the preceding month, while the percentage of other articles of food was 23.3.

Two complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Fines were imposed amounting to $100.

The samples of drugs found to be adulterated were Brandy, Oil of Lemon, Olive Oil, and Tartaric Acid.

Cities and towns from which samples of food were collected were Boston, Fall River, Cambridge, New Bedford, Somerville, Springfield, Brockton, Salem, Malden, Chelsea, Gloucester, Newton, Everett, Waltham, Marlborough, Woburn, Amesbury, Hudson, Hyde Park, Milton, Needham, Plymouth, Watertown and Winchester.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, July 22, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 29.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary*

# MORTALITY OF MASSACHUSETTS

For the Week ending July 22, 1899.

## Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Whooping-cough. |
| Boston, | 528,463 | 249 | 124 | 71 | 20 | 61 | 3 | 2 |
| Worcester, | 108,240 | 39 | 19 | 15 | 2 | 14 | .. | .. |
| Fall River, | 95,919 | 68 | 51 | 30 | 4 | 28 | .. | 1 |
| Cambridge, | 89,724 | 46 | 27 | 21 | 5 | 20 | .. | 1 |
| Lowell, | 88,641 | 47 | 30 | 22 | 2 | 21 | .. | 1 |
| Lynn, | 66,703 | 22 | 12 | 7 | 1 | 6 | .. | .. |
| New Bedford, | 66,340 | 19 | 9 | 3 | 4 | 2 | .. | .. |
| Somerville, | 61,101 | 14 | 6 | 4 | 2 | 3 | .. | .. |
| Lawrence, | 57,263 | 29 | 21 | 17 | 4 | 15 | .. | 2 |
| Springfield, | 56,501 | 14 | 7 | 3 | 1 | 2 | 1 | .. |
| Holyoke, | 43,424 | 15 | 7 | 9 | 3 | 8 | 1 | .. |
| Brockton, | 37,278 | 7 | 2 | 1 | 1 | 1 | .. | .. |
| Salem, | 36,883 | 21 | 11 | 7 | .. | 6 | 1 | .. |
| Malden, | 34,613 | 17 | 0 | 8 | 1 | 7 | .. | 1 |
| Chelsea, | 33,468 | 19 | 6 | 1 | 1 | .. | .. | 1 |
| Haverhill, | 32,022 | 12 | 6 | 3 | .. | 3 | .. | .. |
| Gloucester, | 30,589 | 6 | 0 | 1 | 2 | .. | .. | .. |
| Newton, | 29,716 | 15 | 11 | 5 | 1 | 4 | .. | 1 |
| Fitchburg, | 29,438 | 7 | 0 | 1 | 1 | .. | .. | .. |
| Taunton, | 28,167 | 20 | 8 | 5 | 3 | 5 | .. | .. |
| Everett, | 25,338 | 3 | 2 | 1 | 1 | 1 | .. | .. |
| Quincy, | 23,549 | 5 | 1 | 2 | .. | 1 | 1 | .. |
| Pittsfield, | 22,643 | 5 | 4 | 4 | .. | 4 | .. | .. |
| Waltham, | 22,296 | 3 | 2 | 2 | .. | 2 | .. | .. |
| North Adams, | 20,971 | 12 | 6 | 6 | .. | 5 | .. | .. |
| Brookline, | 18,600 | 4 | 2 | 1 | .. | 1 | .. | .. |
| Chicopee, | 17,842 | 9 | 6 | 3 | .. | 3 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 4 | 1 | 1 | .. | 1 | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 7 | 4 | 1 | .. | 1 | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 2 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 8 | 2 | 2 | 2 | 1 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 3 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 1 | 1 | 1 | .. | 1 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Whooping-cough. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,786,233 | 752 | 388 | 259 | 61 | 227 | 6 | 10 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and fifty-nine deaths were reported from the principal infectious diseases: diarrhœal diseases, 227; whooping-cough, 10; typhoid fever, 6; cerebro-spinal meningitis, 6; diphtheria and croup, 5; scarlet fever, 2; measles, 2.

No deaths were reported from small-pox, erysipelas, puerperal fever and malarial fever.

There were 61 deaths from consumption, acute lung diseases, 35, and stillbirths, 35.

From diphtheria and croup: Boston, 3; Lynn and New Bedford, 1 each. From cerebro-spinal meningitis: Boston, Worcester, Gloucester, North Adams, Newburyport and Hyde Park, 1 each. From scarlet fever: Boston, and Fitchburg, 1 each. From measles: Fall River and Somerville, 1 each.

Deaths under five years of age numbered 388, as compared with 294 for the preceding week.

Deaths from the principal infectious diseases numbered 259, as compared with 183 for the preceding week.

The death rates for the week were: Boston, 24.49; Worcester, 18.73; Fall River, 36.24; Cambridge, 26.63; Lowell, 27.56; Lynn, 17.13; New Bedford, 14.87; Somerville, 11.91; Lawrence, 26.33; Springfield, 12.88; Holyoke, 17.95; Brockton, 9.76; Salem, 29.61; Malden, 25.53; Chelsea, 29.45; Haverhill, 19.47; Gloucester, 10.20; Newton, 26.25; Fitchburg, 11.32; Taunton, 36.90; Everett, 6.15; Quincy, 11.00; Pittsfield, 11.45; Waltham, 7.14; North Adams, ——; Chicopee, ——; Northampton, ——; Medford, 12.56; Marlborough, ——; Newburyport, 24.36; Woburn, ——.

The total death rate for the week was 21.89 as compared with 18.34, and 17.06 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 22, 1899.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

| | | | |
|---|---|---|---|
| Scarlet fever, | 54 | Measles, | 113 |
| Diphtheria and croup, | 80 | Typhoid fever, | 40 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, July 22, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 16, | 29.92 | 70 | 78 | 63 | 74 | 90 | 82 | S. | O. | 10 | 0 | O. | O. | | 0.08 |
| Monday, 17, | 29.77 | 74 | 86 | 63 | 97 | 65 | 76 | S. E. | W. | 3 | 8 | O. | O. | | 0.00 |
| Tuesday, 18, | 29.77 | 75 | 82 | 68 | 68 | 42 | 55 | N. W. | W. | 15 | 9 | C. | C. | | 0.01 |
| Wednes'y, 19, | 29.82 | 70 | 80 | 61 | 56 | 52 | 54 | W. | N. | 15 | 7 | C. | C. | | 0.00 |
| Thursday, 20, | 30.07 | 63 | 68 | 58 | 48 | 65 | 56 | N. W. | S. | 8 | 12 | C. | F. | | 0.00 |
| Friday, 21, | 29.92 | 74 | 88 | 61 | 83 | 57 | 72 | S. W. | S. W. | 15 | 16 | O. | F. | | 0.00 |
| Saturday, 22, | 30.05 | 68 | 76 | 61 | 72 | 84 | 78 | N. | N. E. | 10 | 7 | F. | O. | | 0.00 |
| Week, - - | | | | | | | | | | | | | | | |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, July 29, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 30.

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# MORTALITY OF MASSACHUSETTS

For the Week ending July 29, 1899.

## Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 226 | 107 | 53 | 26 | 37 | 4 | 7 |
| Worcester, | 108,240 | 24 | 16 | 11 | .. | 10 | 1 | .. |
| Fall River, | 95,919 | 60 | 45 | 29 | 4 | 27 | 1 | .. |
| Cambridge, | 89,724 | 37 | 24 | 15 | 2 | 12 | .. | 1 |
| Lowell, | 88,641 | 60 | 41 | 24 | 2 | 22 | 1 | 1 |
| Lynn, | 66,703 | 19 | 7 | 5 | 2 | 2 | 1 | .. |
| New Bedford, | 66,340 | 15 | 12 | 2 | 1 | 2 | .. | .. |
| Somerville, | 61,101 | 13 | 5 | 4 | .. | 4 | .. | .. |
| Lawrence, | 57,263 | 27 | 20 | 13 | 1 | 12 | .. | 1 |
| Springfield, | 56,501 | 18 | 4 | 4 | 3 | 2 | .. | 1 |
| Holyoke, | 43,424 | 15 | 9 | 7 | 1 | 7 | .. | .. |
| Brockton, | 37,278 | 10 | 5 | 4 | .. | 3 | .. | .. |
| Salem, | 36,883 | 24 | 16 | 13 | 1 | 13 | .. | .. |
| Malden, | 34,613 | 14 | 7 | 7 | .. | 7 | .. | .. |
| Chelsea, | 33,468 | 13 | 4 | 1 | 1 | .. | .. | .. |
| Haverhill, | 32,022 | 13 | 4 | 3 | 2 | 3 | .. | .. |
| Gloucester, | 30,589 | 8 | 4 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 11 | .. | 4 | 2 | 3 | 1 | .. |
| Fitchburg, | 29,438 | 5 | 2 | 2 | .. | 2 | .. | .. |
| Taunton, | 28,167 | 20 | 11 | 9 | .. | 9 | .. | .. |
| Everett, | 25,338 | 9 | 5 | 1 | .. | 1 | 1 | .. |
| Quincy, | 23,549 | 19 | 7 | 10 | 1 | 6 | 2 | .. |
| Pittsfield, | 22,643 | 7 | 2 | 5 | .. | 2 | .. | 1 |
| Waltham, | 22,296 | 8 | 2 | 1 | 1 | 1 | .. | .. |
| North Adams, | 20,971 | 14 | 9 | 5 | .. | 4 | .. | .. |
| Brookline, | 18,600 | 4 | 3 | 2 | .. | 2 | .. | .. |
| Chicopee, | 17,842 | 10 | 5 | 3 | .. | 3 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 7 | 4 | 2 | .. | 2 | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 6 | 2 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 1 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 4 | 2 | 1 | .. | 1 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 8 | 7 | 4 | 1 | 4 | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 7 | 1 | 2 | 1 | 2 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,786,233 | 735 | 392 | 246 | 52 | 205 | 12 | 12 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and forty-six deaths were reported from the principal infectious diseases: diarrhœal diseases, 205; typhoid fever, 12; diphtheria and croup, 12; cerebro-spinal meningitis, 10; measles, 4; whooping-cough, 2; scarlet fever, 1.

No deaths were reported from small-pox, erysipelas, puerperal fever and malarial fever.

There were 52 deaths from consumption, acute lung diseases, 28, and stillbirths, 48.

From cerebro-spiual meningitis: Quincy, 3; Boston, 2; Lynn, Springfield, Brockton, Chelsea and North Adams, 1 each. From measles: Boston, Fall River, Cambridge and Lynn, 1 each. From whooping-cough: Boston and Cambridge, 1 each. From scarlet fever: Boston, 1.

Deaths under five years of age numbered 392, as compared with 388 for the preceding week.

Deaths from the principal infectious diseases numbered 246, as compared with 259 for the preceding week.

The death rates for the week were: Boston, 13.43; Worcester, 11.52; Fall River, 31.98; Cambridge, 21.42; Lowell, 35.16; Lynn, 14.80; New Bedford, 11.74; Somerville, 11.06; Lawrence, 24.51; Springfield, 16.56; Holyoke, 17.95; Brockton, 13.95; Salem, 33.84; Malden, 21.02; Chelsea, 20.15; Haverhill, 21.09; Gloucester, 13.60; Newton, 19.25; Fitchburg, 8.80; Taunton, 36.92; Everett, 18.45; Quincy, ——; Pittsfield, 16.07; Waltham, 19.04; North Adams, ——; Chicopee, 29.10; Northampton, ——; Medford, 21.98; Marlborough, ——; Newburyport, 20.88; Woburn, ——.

The total death rate for the week was 21.97 as compared with 21.89, and 18.34 for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING JULY 29, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 55 | Measles, | 60 |
| Diphtheria and croup, | 116 | Typhoid fever, | 43 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, July 29, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 23, | 30.21 | 63 | 66 | 60 | 89 | 78 | 84 | E. | E. | 9 | 10 | | O. | O. | | 0.00 |
| Monday, 24, | 30.25 | 64 | 67 | 60 | 72 | 81 | 76 | E. | E. | 10 | 5 | | C. | C. | | 0.13 |
| Tuesday, 25, | 30.13 | 62 | 66 | 58 | 84 | 95 | 90 | E. | E. | 11 | 4 | | O. | O. | | 0.99 |
| Wednes'y, 26, | 29.81 | 74 | 82 | 66 | 95 | 74 | 84 | S. W. | W. | 16 | 3 | | O. | C. | | 0.22 |
| Thursday, 27, | 29.77 | 80 | 92 | 69 | 60 | 81 | 70 | W. | W. | 8 | 13 | | C. | C. | | 0.00 |
| Friday, 28, | 29.96 | 71 | 78 | 64 | 60 | 64 | 62 | N. | S. W. | 12 | 9 | | C. | C. | | 0.00 |
| Saturday, 29, | 29.97 | 74 | 84 | 64 | 65 | 71 | 68 | N. W. | S. | 2 | 13 | | C. | O. | | 0.00 |
| Week, - - | 30.01 | | 76 | 63 | | | 76 | | | | | | | | | 1.34 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Aug. 5, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 31.

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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 5, 1899.

## Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. |
| Boston, | 528,463 | 218 | 102 | 53 | 19 | 38 | 2 | 2 |
| Worcester, | 108,240 | 50 | 22 | 18 | 3 | 14 | 2 | 2 |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 29 | 19 | 12 | .. | 8 | 1 | 1 |
| Lowell, | 88,641 | 39 | 24 | 12 | 3 | 12 | .. | .. |
| Lynn, | 66,703 | 31 | .. | 8 | .. | 8 | .. | .. |
| New Bedford, | 66,340 | 34 | 21 | 13 | 2 | 12 | .. | 1 |
| Somerville, | 61,101 | 15 | 4 | 4 | 2 | 2 | 1 | 1 |
| Lawrence, | 57,263 | 14 | 8 | 6 | 2 | 6 | .. | .. |
| Springfield, | 56,501 | 10 | 4 | 4 | 2 | 4 | .. | .. |
| Holyoke, | 43,424 | 4 | 3 | 3 | .. | 3 | .. | .. |
| Brockton, | 37,278 | 7 | 2 | 2 | 1 | 1 | 1 | .. |
| Salem, | 36,883 | 25 | 17 | 12 | 1 | 12 | .. | .. |
| Malden, | 34,613 | 12 | 6 | .. | 3 | .. | .. | .. |
| Chelsea, | 33,468 | 12 | 9 | 2 | .. | .. | 2 | .. |
| Haverhill, | 32,022 | 11 | 7 | 5 | .. | 4 | .. | .. |
| Gloucester, | 30,589 | 4 | 2 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 10 | 3 | .. | 1 | .. | .. | .. |
| Fitchburg, | 29,438 | 15 | 10 | 9 | 1 | 7 | .. | 1 |
| Taunton, | 28,167 | 15 | 5 | 4 | 1 | 3 | .. | 1 |
| Everett, | 25,338 | .. | .. | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 14 | 9 | 7 | .. | 5 | 1 | .. |
| Pittsfield, | 22,643 | 11 | 4 | 4 | 2 | 3 | 1 | .. |
| Waltham, | 22,296 | 3 | 2 | 1 | 1 | 1 | .. | .. |
| North Adams, | 20,971 | 4 | 3 | 3 | 1 | 3 | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 6 | 3 | 1 | 1 | 1 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 6 | 4 | 3 | 1 | 3 | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 3 | 2 | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 4 | 1 | 1 | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 3 | 3 | 2 | .. | 1 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 7 | 6 | 2 | .. | 2 | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 1 | 1 | 1 | .. | 1 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,646,376 | 617 | 306 | 192 | 47 | 154 | 11 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and ninety-two deaths were reported from the principal infectious diseases: diarrhœal diseases, 154; cerebro-spinal meningitis, 11; typhoid fever, 9; diphtheria and croup, 7; whooping-cough, 4; erysipelas, 3; scarlet fever, 2; measles, 1; puerperal fever, 1.

There were 47 deaths from consumption, acute lung diseases, 22, and stillbirths, 33.

No deaths were reported from small-pox, and malarial fever.

From diphtheria and croup: Boston, 6; Fitchburg, 1. From whooping-cough: Boston and Cambridge, 2 each. From erysipelas: Boston, Haverhill and Quincy, 1 each. From scarlet fever: Boston, 2. From measles: Melrose, 1. From puerperal fever: Hyde Park, 1.

Deaths under five years of age numbered 306, as compared with 392 for the preceding week.

Deaths from the principal infectious diseases numbered 192, as compared with 246 for the preceding week.

The death rates for the week were: Boston, 22.43; Worcester, 24.02; Fall River, ——; Cambridge, 16.79; Lowell, 22.85; Lynn, 24.79; New Bedford, 26.62; Somerville, 12.76; Lawrence, 12.71; Springfield, 9.20; Holyoke, 4.78; Brockton, 9.76; Salem, 35.25; Malden, 18.02; Chelsea, 18.60; Haverhill, 17.85; Gloucester, 6.80; Newton, 17.50; Fitchburg, 25.40; Taunton, ——; Everett, ——; Quincy, 30.80; Pittsfield, 25.25; Waltham, 7.14; North Adams, 10.08; Chicopee, 17.46; Northampton, ——; Medford, 18.84; Marlborough, ——; Newburyport, 10.44; Woburn, ——.

The total death rate for the week was 19.49 as compared with 21.97, and 21.89 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUG. 5, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 43 | Measles. | 36 |
| Diphtheria and croup, | 96 | Typhoid fever, | 52 |
| Small-pox, | 1 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Aug. 5, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 30, | 29.75 | 72 | 80 | 63 | 91 | 45 | 68 | W. | W. | 9 | 11 | O. | C. | | 0.04 |
| Monday, 31, | 29.90 | 68 | 79 | 58 | 54 | 56 | 55 | N. W. | E. | 9 | 6 | C. | C. | | 0.00 |
| Tuesday, 1, | 30.06 | 73 | 84 | 62 | 56 | 49 | 52 | S. W. | S. W. | 6 | 4 | O. | C. | | 0.00 |
| Wednes'y, 2, | 30.01 | 76 | 85 | 66 | 68 | 73 | 70 | W. | S. | 1 | 12 | F. | F. | | 0.00 |
| Thursday, 3, | 29.92 | 68 | 73 | 63 | 86 | 90 | 88 | S. E. | S. E. | 5 | 4 | C. | F. | | 0.00 |
| Friday, 4, | 29.89 | 70 | 77 | 63 | 92 | 74 | 83 | E. | S. | 6 | 11 | O. | C. | | 0.00 |
| Saturday, 5, | 29.79 | 78 | 89 | 68 | 86 | 55 | 70 | S. W. | W. | 12 | 8 | O. | O. | | 0.10 |
| Week, - - | 29.90 | | 81 | 63 | | | 69 | | | | | | | | 0.14 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Aug. 12, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 32.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 12, 1899.

## Deaths reported to the State Board of Health in 27 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 231 | 106 | 60 | 25 | 41 | 7 | 6 |
| Worcester, | 108,240 | 30 | 17 | 10 | 5 | 10 | .. | .. |
| Fall River, | 95,919 | 51 | 38 | 26 | 2 | 26 | .. | .. |
| Cambridge, | 89,724 | 39 | 21 | 10 | 5 | 8 | .. | 1 |
| Lowell, | 88,641 | 45 | 28 | 13 | 3 | 10 | .. | .. |
| Lynn, | 66,703 | 22 | 16 | 10 | 1 | 10 | .. | .. |
| New Bedford, | 66,340 | 38 | .. | 17 | 4 | 16 | .. | 1 |
| Somerville, | 61,101 | 12 | 7 | 5 | 2 | 5 | .. | .. |
| Lawrence, | 57,263 | 26 | 19 | 7 | 5 | 6 | .. | .. |
| Springfield, | 56,501 | 25 | 5 | 8 | 3 | 3 | 2 | 3 |
| Holyoke, | 43,424 | 22 | 10 | 3 | 1 | 2 | .. | .. |
| Brockton, | 37,278 | 8 | 3 | 3 | 1 | 3 | .. | .. |
| Salem, | 36,883 | .. | .. | .. | .. | .. | .. | .. |
| Malden, | 34,613 | 8 | 3 | 3 | 1 | 3 | .. | .. |
| Chelsea, | 33,468 | 13 | 9 | 3 | .. | 1 | 1 | .. |
| Haverhill, | 32,022 | 11 | 7 | 2 | 1 | 2 | .. | .. |
| Gloucester, | 30,589 | 8 | 3 | 3 | .. | 2 | 1 | .. |
| Newton, | 29,716 | .. | .. | .. | .. | .. | .. | .. |
| Fitchburg, | 29,438 | .. | .. | .. | .. | .. | .. | .. |
| Taunton, | 28,167 | 8 | 4 | 3 | 1 | 2 | 1 | .. |
| Everett, | 25,338 | 9 | 6 | .. | .. | .. | .. | .. |
| Quincy, | 23,549 | 6 | 1 | 2 | 3 | 1 | .. | 1 |
| Pittsfield, | 22,643 | 16 | 7 | 8 | .. | 8 | .. | .. |
| Waltham, | 22,296 | 7 | 2 | 1 | 1 | 1 | .. | .. |
| North Adams, | 20,971 | 9 | 3 | 5 | .. | 5 | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 10 | 7 | 5 | .. | 3 | .. | 1 |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 5 | 3 | 1 | 1 | 1 | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | .. | .. | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 1 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | .. | .. | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 10 | 5 | 4 | 1 | 4 | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 4 | 2 | 4 | .. | 1 | 2 | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infections Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,643,876 | 674 | 332 | 216 | 66 | 174 | 14 | 13 |

## DEATHS FROM PREVALENT DISEASES IN 27 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and fourteen deaths were reported from the principal infectious diseases: diarrhœal diseases, 174; typhoid fever, 14; diphtheria and croup, 13; whooping-cough, 7; cerebro-spinal meningitis, 4; scarlet fever, 2; measles, 1; puerperal fever, 1.

No deaths were reported from small-pox, erysipelas and malarial fever.

There were 66 deaths from consumption, acute lung diseases, 22, and still-births, 33.

From whooping-cough: Boston, 2; Cambridge, Lowell, Lawrence and Chelsea, 1 each. From cerebro-spinal meningitis: Boston, Cambridge, Lowell and Holyoke, 1 each. From scarlet fever: Boston, 2. From puerperal fever: Lowell, 1. From measles: Boston, 1.

Deaths under five years of age numbered 332, as compared with 306 for the preceding week.

Deaths from the principal infectious diseases numbered 216, as compared with 192 for the preceding week.

The death rates for the week were: Boston, 22.73; Worcester, 14.41; Fall River, 27.18; Cambridge, 22.58; Lowell, 26.37; Lynn, 17.13; New Bedford, 29.75; Somerville, 10.21; Lawrence, 23.60; Springfield, 25.57; Holyoke, 26.33; Brockton, 11.16; Salem, ——; Malden, 12.01; Chelsea, 20.15; Haverhill, 17.85; Gloucester, 13.60; Newton, ——; Fitchburg, ——; Taunton, 14.76; Everett, 18.45; Quincy, ——; Pittsfield, 36.73; Waltham, 16.68; North Adams, 22.68; Chicopee, 29.10; Northampton, ——; Medford, 15.70; Marlborough, ——; Newburyport, ——; Woburn, ——.

The total death rate for the week was 21.32 as compared with 19.49, and 21.97 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUG. 12, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 59 | Measles, | 31 |
| Diphtheria and croup, | 113 | Typhoid fever, | 59 |
| Small-pox, | 2 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Aug. 12, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 6, | 29.82 | 75 | 82 | 68 | 54 | 48 | 51 | N. W. | E. | 10 | 2 | | O. | C. | | | 0.00 |
| Monday, 7, | 29.87 | 68 | 75 | 61 | 55 | 44 | 50 | N. | N. W. | 8 | 6 | | C. | C. | | | 0.00 |
| Tuesday, 8, | 29.91 | 66 | 74 | 57 | 44 | 40 | 42 | N. W. | N. | 12 | 10 | | C. | C. | | | 0.00 |
| Wednes'y, 9, | 30.00 | 64 | 75 | 53 | 45 | 61 | 53 | N. W. | S. E. | 13 | 7 | | C. | C. | | | 0.00 |
| Thursday, 10, | 29.98 | 64 | 71 | 56 | 69 | 95 | 82 | S. | E. | 4 | 22 | | O. | R. | | | 0.90 |
| Friday, 11, | 29.95 | 62 | 63 | 60 | 94 | 94 | 94 | E. | N. E. | 14 | 14 | | O. | O. | | | 0.06 |
| Saturday, 12, | 29.93 | 64 | 69 | 58 | 96 | 95 | 96 | N. | E. | 4 | 2 | | O. | O. | | | 0.02 |
| Week, - - | | | | | | | | | | | | | | | | | |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of July.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 484 | 98 | 582 | Maple Syrup, . . | .. | .. | .. |
| Butter, . . . | 2 | 0 | 2 | Canned Goods, . | 0 | 1 | 1 |
| Cheese, . . . | .. | .. | .. | Honey, . . . | 1 | 3 | 4 |
| Lard, . . . | 1 | 0 | 1 | Tea, . . . | .. | .. | .. |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | 5 | 0 | 5 |
| Vinegar, . . . | 2 | 2 | 4 | Condensed Milk, . | 4 | 0 | 4 |
| Spices, . . . | 95 | 6 | 101 | Confectionery, . | 2 | 0 | 2 |
| Cream of Tartar, . | 20 | 1 | 21 | Other articles of Food and Drinks, | 24 | 19 | 43 |
| Molasses, . . . | 8 | 3 | 11 | Drugs, . . . | 25 | 32 | 57 |
| Syrups, . . . | 0 | 2 | 2 | | | | |
| Maple Sugar, . . | .. | .. | .. | | | | |
| | | | | Totals, . . | 673 | 167 | 840 |

Percentage of adulteration, 19.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 16.8 per cent., as compared with 20.02 per cent. for the preceding month, while the percentage of other articles of food was 18.4.

Among the miscellaneous foods are included 16 samples of baking powder, of which nine contained alum; eight samples of tomato ketchup, two of which contained salicylic, and two benzoic acid; sixteen samples of salt codfish, six of which contained boracic acid; and one sample of strawberry jam containing salicylic acid. Two samples of fruit syrup were found to contain salicylic acid.

Two complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. These were for violation of the statutes relative to the sale of milk. Fines were imposed amounting to $50.

The samples of drugs found to be adulterated were Bismuth subnitrate, Distilled Water, Extract of Liquorice, Oil of Lemon, Powdered Opium, Tincture of Iodine, and Tincture of Opium.

The cities and towns from which samples of food were collected were Boston, Fall River, Cambridge, Somerville, Salem, Haverhill, Gloucester, Newton, Fitchburg, Taunton, Waltham, Medford, Attleborough, Barre, Cottage City, Dedham, Hopkinton, Marblehead, Milford, Milton, Nantucket, Rockport, Somerset and Stoneham.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Aug. 19, 1899.

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# MORTALITY OF MASSACHUSETTS

For the Week ending Aug. 19, 1899.

## Deaths reported to the State Board of Health in 28 Cities and Greater Towns.

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We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will he sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 219 | 97 | 49 | 15 | 33 | 4 | 6 |
| Worcester, | 108,240 | 43 | 17 | 16 | 2 | 15 | .. | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 31 | 15 | 7 | 2 | 5 | .. | 1 |
| Lowell, | 88,641 | 42 | 18 | 11 | 3 | 9 | 1 | .. |
| Lynn, | 66,703 | 25 | 7 | 8 | 2 | 7 | .. | .. |
| New Bedford, | 66,340 | 28 | 14 | 13 | .. | 11 | 1 | 1 |
| Somerville, | 61,101 | 24 | 7 | 6 | 7 | 5 | .. | .. |
| Lawrence, | 57,263 | 29 | 17 | 10 | 6 | 9 | .. | .. |
| Springfield, | 56,501 | 16 | 4 | 4 | 1 | 3 | .. | 1 |
| Holyoke, | 43,424 | 13 | 7 | 5 | .. | 4 | 1 | .. |
| Brockton, | 37,278 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 20 | 12 | 7 | 1 | 6 | 1 | .. |
| Malden, | 34,613 | 11 | 4 | 3 | 2 | 3 | .. | .. |
| Chelsea, | 33,468 | 14 | 7 | .. | .. | .. | .. | .. |
| Haverhill, | 32,022 | .. | .. | .. | .. | .. | .. | .. |
| Gloucester, | 30,589 | 11 | 7 | 1 | .. | .. | 1 | .. |
| Newton, | 29,716 | 4 | 3 | 3 | .. | 3 | .. | .. |
| Fitchburg, | 29,438 | 11 | 5 | 3 | 3 | 3 | .. | .. |
| Taunton, | 28,167 | .. | .. | .. | .. | .. | .. | .. |
| Everett, | 25,338 | 10 | 8 | 6 | .. | 5 | .. | .. |
| Quincy, | 23,549 | 7 | 4 | 3 | 1 | 3 | .. | .. |
| Pittsfield, | 22,643 | 15 | .. | 8 | 2 | 8 | .. | .. |
| Waltham, | 22,296 | 5 | 1 | 1 | .. | 1 | .. | .. |
| North Adams, | 20,971 | 8 | 4 | 3 | .. | 3 | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 6 | 5 | 2 | .. | 2 | .. | .. |
| Northampton, | 17.799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 3 | 2 | .. | 2 | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 6 | 2 | 2 | 1 | 2 | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 2 | 1 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 4 | 2 | 1 | 1 | 1 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 3 | 2 | 1 | .. | 1 | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield. | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 5 | 0 | 4 | 1 | 1 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,574,247 | 615 | 273 | 179 | 50 | 145 | 9 | 9 |

## DEATHS FROM PREVALENT DISEASES IN 28 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and seventy-nine deaths were reported from the principal infectious diseases: diarrhœal diseases, 145; typhoid fever, 9; diphtheria and croup, 9; whooping-cough, 8; cerebro-spinal meningitis, 6; scarlet fever, 2.

No deaths were reported from small-pox, measles, erysipelas, puerperal and malarial fevers.

There were 50 deaths from consumption, acute lung diseases, 30, and still-births, 28.

From whooping-cough: Bostou, 5; Cambridge, Somerville and Everett, 1 each. From cerebro-spinal meningitis: Amesbury, 3; Boston, Lynn and Somerville, 1 each. From scarlet fever: Worcester and Lowell, 1 each.

Deaths under five years of age numbered 273, as compared with 332 for the preceding week.

Deaths from the principal infectious diseases numbered 179, as compared with 216 for the preceding week.

The death rates for the week were: Boston, 21.54; Worcester, 20.65; Fall River, ——; Cambridge, 17.49; Lowell, 24.61; Lynn, 19.47; New Bedford, 21.92; Somerville, 29.42; Lawrence, 26.33; Springfield, 14.72; Holyoke, 15.56; Brockton, ——; Salem, 28.20; Malden, 16.52; Chelsea, 21.70; Haverhill, ——; Gloucester, 18.70; Newton, 7.00; Fitchburg, 19.36; Taunton, ——; Everett, 20.50; Quincy, 15.40; Pittsfield, 34.44; Waltham, 11.92; North Adams, 20.16; Chicopee, 17.46; Northampton, ——; Medford, 9.42; Marlborough, ——; Newburyport, 20.88; Woburn, ——.

The total death rate for the week was 20.31 as compared with 21.32, and 19.49 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUG. 19, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 36 | Measles, | 18 |
| Diphtheria and croup, | 122 | Typhoid fever, | 67 |
| Small-pox, | 2 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

---

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Aug. 19, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 13, | 29.83 | 78 | 87 | 69 | 82 | 73 | | 78 | S.W. | S.W. | 11 | 7 | | O. | C. | | | 0.00 |
| Monday, 14, | 30.06 | 68 | 77 | 59 | 61 | 45 | | 53 | N. | N. | 10 | 6 | | C. | C. | | | 0.00 |
| Tuesday, 15, | 30.20 | 62 | 70 | 55 | 60 | 64 | | 62 | N. E. | S. | 10 | 9 | | F. | C. | | | 0.00 |
| Wednes'y, 16, | 30.12 | 69 | 81 | 57 | 61 | 42 | | 52 | N. W. | S.W. | 5 | 12 | | O. | C. | | | 0.00 |
| Thursday, 17, | 30.10 | 70 | 82 | 58 | 53 | 56 | | 54 | N. W. | S. | 6 | 11 | | O. | C. | | | 0.00 |
| Friday, 18, | 30.06 | 74 | 86 | 62 | 66 | 84 | | 75 | W. | S. | 4 | 10 | | O. | C. | | | 0.00 |
| Saturday, 19, | 29.90 | 81 | 90 | 72 | 85 | 82 | | 84 | W. | S.W. | 9 | 8 | | F. | O. | | | 0.00 |
| Week, - - | 30.04 | | 82 | 62 | | | | 65 | | | | | | | | | | |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Aug. 26, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 34.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending Aug. 26, 1899.

### Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 189 | 81 | 30 | 21 | 22 | 3 | 3 |
| Worcester, | 108,240 | 39 | 21 | 20 | 1 | 17 | .. | .. |
| Fall River, | 95,919 | 50 | 28 | 26 | 4 | 26 | .. | .. |
| Cambridge, | 89,724 | 33 | 17 | 10 | 1 | 8 | 1 | .. |
| Lowell, | 88,641 | 28 | 15 | 13 | 5 | 12 | .. | .. |
| Lynn, | 66,703 | 21 | 10 | 9 | 2 | 8 | .. | .. |
| New Bedford, | 66,340 | 20 | 9 | 7 | 1 | 6 | .. | .. |
| Somerville, | 61,101 | 21 | 7 | 5 | 1 | 5 | .. | .. |
| Lawrence, | 57,263 | 26 | 12 | 6 | 6 | 5 | .. | 1 |
| Springfield, | 56,501 | 14 | 4 | 5 | .. | 3 | 1 | 1 |
| Holyoke, | 43,424 | 17 | 11 | 9 | 1 | 9 | .. | .. |
| Brockton, | 37,278 | 7 | 3 | 1 | 1 | .. | 1 | .. |
| Salem, | 36,883 | 17 | 10 | 5 | .. | 3 | 1 | 1 |
| Malden, | 34,613 | 3 | 0 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 10 | 2 | 1 | .. | .. | 1 | .. |
| Haverhill, | 32,022 | 7 | 1 | 1 | 1 | 1 | .. | .. |
| Gloucester, | 30,589 | 11 | 6 | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 5 | 3 | 2 | .. | 1 | .. | 1 |
| Fitchburg, | 29,438 | 10 | 6 | 3 | 1 | 2 | 1 | .. |
| Taunton, | 28,167 | 14 | 3 | 3 | 1 | 3 | .. | .. |
| Everett, | 25,338 | 4 | 4 | 2 | .. | 1 | .. | 1 |
| Quincy, | 23,549 | 9 | 6 | 6 | .. | 6 | .. | .. |
| Pittsfield, | 22,643 | 5 | 1 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 6 | 2 | 2 | 1 | .. | 1 | .. |
| North Adams, | 20,971 | 2 | 2 | 2 | .. | 2 | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 8 | 2 | 1 | 1 | 1 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 6 | 2 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 5 | 3 | 3 | .. | 3 | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 2 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 5 | 4 | 3 | .. | 3 | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 8 | 8 | 5 | 2 | 5 | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,757,535 | 602 | 283 | 180 | 54 | 152 | 10 | 8 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and eighty deaths were reported from the principal infectious diseases: diarrhœal diseases, 152; typhoid fever, 10; diphtheria and croup, 8; cerebro-spinal meningitis, 3; whooping-cough, 2; scarlet fever, 2; puerperal fever, 1.

No deaths were reported from small-pox, erysipelas, measles and malarial fever.

There were 54 deaths from consumption, acute lung diseases, 28, and still-births, 28.

From cerebro-spinal meningitis: Worcester, Lynn and Waltham, 1 each. From whooping-cough: Boston, 2. From scarlet fever: Lowell and New Bedford, 1 each. From puerperal fever: Cambridge, 1.

Deaths under five years of age numbered 283, as compared with 273 for the preceding week.

Deaths from the principal infectious diseases numbered 180, as compared with 179 for the preceding week.

The death rates for the week were: Boston, 18.59; Worcester, 18.73; Fall River, 27.65; Cambridge, 19.00; Lowell, 16.40; Lynn, 16.35; New Bedford, 15.66; Somerville, 17.87; Lawrence, 23.60; Springfield, 12.88; Holyoke, 20.43; Brockton, 9.76; Salem, 23.97: Malden, 4.50; Chelsea, 15.50; Haverhill, 11.36; Gloucester, 18.70; Newton, 8.75; Fitchburg, 17.60; Taunton, 25.84; Everett, 8.20; Quincy, 19.80; Pittsfield, 11.48; Waltham, 14.28; North Adams, 5.04; Chicopee, 23.28; Northampton, ——; Medford, 18.84; Marlborough, ——; Newburyport, 17.40; Woburn, ——.

The total death rate for the week was 17.81 as compared with 20.31, and 21.32 for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING AUG. 26, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 60 | Measles, | 11 |
| Diphtheria and croup, | 100 | Typhoid fever, | 99 |
| Small-pox, | 1 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Aug. 26, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 20, | 29.81 | 76 | 81 | 70 | 81 | 84 | 82 | S.W. | S. E. | 3 | 1 | O. | O. | | 0.00 |
| Monday, 21, | 29.87 | 68 | 73 | 63 | 80 | 100 | 90 | N. E. | E. | 3 | 12 | O. | G. | | 1.41 |
| Tuesday, 22, | 29.89 | 66 | 69 | 63 | 95 | 96 | 96 | S. E. | S. E. | 5 | 4 | O. | F. | | 0.01 |
| Wednes'y, 23, | 29.96 | 66 | 69 | 64 | 96 | 92 | 94 | N. E. | N. E. | 4 | 5 | O. | O. | | 0.00 |
| Thursday, 24, | 30.01 | 64 | 65 | 62 | 97 | 99 | 98 | N. E. | N. | 14 | 9 | O. | O. | | 0.02 |
| Friday, 25, | 30.04 | 66 | 70 | 63 | 85 | 90 | 88 | E. | S. E. | 5 | 5 | O. | C. | | 0.00 |
| Saturday, 26, | 30.15 | 65 | 70 | 60 | 80 | 70 | 75 | N. E. | E. | 12 | 2 | O. | C. | | 0.00 |
| Week, - - | 29.96 | | 71 | 64 | | | 89 | | | | | | | | 1.44 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Sept. 2, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 35.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 2, 1899.

## Deaths reported to the State Board of Health in 28 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 219 | 96 | 41 | 21 | 27 | 4 | 1 |
| Worcester, | 108,240 | .. | .. | .. | .. | .. | .. | .. |
| Fall River, | 95,919 | 64 | 45 | 32 | 2 | 31 | .. | 1 |
| Cambridge, | 89,724 | 29 | 14 | 13 | 1 | 11 | 1 | 1 |
| Lowell, | 88,641 | 43 | 25 | 13 | 3 | 13 | .. | .. |
| Lynn, | 66,703 | 19 | 11 | 3 | 2 | 2 | .. | .. |
| New Bedford, | 66,340 | 22 | 11 | 10 | 4 | 9 | .. | .. |
| Somerville, | 61,101 | 17 | 10 | 10 | 1 | 9 | .. | .. |
| Lawrence, | 57,263 | 30 | 23 | 14 | 2 | 11 | .. | 3 |
| Springfield, | 56,501 | 14 | 3 | 2 | 3 | 1 | .. | 1 |
| Holyoke, | 43,424 | 16 | 7 | 5 | 3 | 4 | .. | .. |
| Brockton, | 37,278 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 14 | 10 | 6 | .. | 4 | .. | 1 |
| Malden, | 34,613 | 8 | 2 | 3 | 1 | 2 | .. | 1 |
| Chelsea, | 33,468 | 8 | 3 | .. | 1 | .. | .. | .. |
| Haverhill, | 32,022 | 10 | 6 | 3 | 1 | 2 | .. | 1 |
| Gloucester, | 30,589 | .. | .. | .. | .. | .. | .. | .. |
| Newton, | 29,716 | 10 | 6 | 4 | .. | 4 | .. | .. |
| Fitchburg, | 29,438 | 7 | 4 | 2 | .. | 2 | .. | .. |
| Taunton, | 28,167 | .. | .. | .. | .. | .. | .. | .. |
| Everett, | 25,338 | 3 | 1 | 1 | .. | 1 | .. | .. |
| Quincy, | 23,549 | .. | .. | .. | .. | .. | .. | .. |
| Pittsfield, | 22,643 | 9 | 4 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 4 | 1 | 1 | .. | 1 | .. | .. |
| North Adams, | 20,971 | 5 | 2 | 1 | .. | .. | .. | .. |
| Brookline, | 18,600 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 4 | 1 | .. | .. | .. | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 5 | 1 | 2 | .. | 2 | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | 8 | 1 | 1 | .. | .. | 1 | .. |
| Woburn, | 14,585 | 8 | 3 | 3 | .. | 2 | .. | .. |
| Melrose, | 14,032 | 2 | 1 | .. | .. | .. | .. | .. |
| Hyde Park, | 12,805 | 8 | 4 | 4 | .. | 4 | .. | .. |
| Beverly. | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | 4 | 1 | 1 | .. | 1 | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10.098 | 5 | 2 | 1 | 1 | 1 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,584,084 | 595 | 298 | 176 | 46 | 144 | 6 | 10 |

## DEATHS FROM PREVALENT DISEASES IN 28 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and seventy-six deaths were reported from the principal infectious diseases: diarrhœal diseases, 144; diphtheria and croup, 10; typhoid fever, 6; whooping-cough, 6; cerebro-spinal meningitis, 5; scarlet fever, 3; small pox, 1; malarial fever, 1.

No deaths were reported from measles, erysipelas and puerperal fever.

There were 46 deaths from consumption, acute lung diseases, 27, and still-births, 28.

From whooping-cough: Boston, 4; Cambridge and Waltham, 1 each. From cerebro-spinal meningitis: Boston, 3; Lynn and New Bedford, 1 each. From small pox: Boston, 1. From malarial fever: Holyoke, 1.

Deaths under five years of age numbered 298, as compared with 283 for the preceding week.

Deaths from the principal infectious diseases numbered 176, as compared with 180 for the preceding week.

The death rates for the week were: Boston, 21.54; Worcester, ——; Fall River, 34.11; Cambridge, 16.79; Lowell, 25.19; Lynn, 14.80; New Bedford, 17.22; Somerville, 14.46; Lawrence, 27.24; Springfield, 12.88; Holyoke, 19.15; Brockton, ——; Salem, 19.74; Malden, 12.01; Chelsea, 12.40; Haverhill, 16.23; Gloucester, ——; Newton, 17.50; Fitchburg, 12.32; Taunton, ——; Everett, 6.15; Quincy, ——; Pittsfield, 21.66; Waltham, 9.53; North Adams, 12.60; Chicopee, 11.64; Northampton, ——; Medford, 15.70; Marlborough, ——; Newburyport, 27.84; Woburn, 28.48.

The total death rate for the week was 19.52 as compared with 17.81 and 20.31, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING SEPT. 2, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 58 | Measles, | 9 |
| Diphtheria and croup, | 100 | Typhoid fever, | 120 |
| Small-pox, | 1 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Sept. 2, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| August. | | | | | | | | | | | | | | | | | |
| Sunday, 27, | 30.23 | 62 | 70 | 55 | 69 | 74 | 72 | N. E. | N. E. | 7 | 5 | | O. | C. | | | 0.00 |
| Monday, 28, | 30.26 | 64 | 73 | 56 | 70 | 88 | 79 | N. E. | N. E. | 10 | 6 | | F. | O. | | | 0.00 |
| Tuesday, 29, | 30.33 | 64 | 67 | 61 | 89 | 97 | 93 | N. E. | E. | 11 | 6 | | O. | R. | | | 0.00 |
| Wednes'y, 30, | 30.29 | 67 | 75 | 59 | 92 | 81 | 86 | N. E. | S. | 3 | 8 | | O. | C. | | | 0.00 |
| Thursday, 31, | 30.17 | 73 | 86 | 60 | 92 | 78 | 85 | S.W. | S. W. | 8 | 11 | | O. | C. | | | 0.00 |
| September. | | | | | | | | | | | | | | | | | |
| Friday, 1, | 30.12 | 70 | 77 | 63 | 86 | 100 | 93 | S.W. | N. E. | 9 | 20 | | O. | O. | | | 0.00 |
| Saturday, 2, | 30.15 | 64 | 66 | 62 | 93 | 93 | 93 | S. | N. E. | 10 | 4 | | R. | O. | | | 0.36 |
| Week, - - | 30.22 | | 73 | 59 | | | 86 | | | | | | | | | | 0.36 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Sept. 9, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 36.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 9, 1899.

## Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 168 | 60 | 27 | 14 | 13 | 6 | 1 |
| Worcester, | 108.240 | 36 | 15 | 9 | 3 | 8 | 1 | .. |
| Fall River, | 95,919 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 89,724 | 27 | 14 | 4 | 5 | 3 | .. | .. |
| Lowell, | 88,641 | 34 | 19 | 15 | 5 | 13 | .. | 2 |
| Lynn, | 66,703 | 22 | 6 | 5 | 1 | 3 | .. | .. |
| New Bedford, | 66,340 | 24 | 7 | 5 | 2 | 4 | 1 | .. |
| Somerville, | 61,101 | 9 | 3 | 2 | 1 | 2 | .. | .. |
| Lawrence, | 57,263 | 24 | 19 | 3 | 1 | 3 | .. | .. |
| Springfield, | 56,501 | 12 | 8 | 7 | 1 | 4 | .. | 2 |
| Holyoke, | 43,424 | 18 | 6 | 3 | 1 | 2 | 1 | .. |
| Brockton, | 37,278 | 5 | 1 | .. | .. | .. | .. | .. |
| Salem, | 36,883 | 15 | 4 | 2 | .. | 2 | .. | .. |
| Malden, | 34,613 | 4 | 0 | 1 | 2 | 1 | .. | .. |
| Chelsea, | 33,468 | 11 | .. | 3 | 1 | .. | .. | .. |
| Haverhill, | 32,022 | 7 | 4 | 1 | .. | 1 | .. | .. |
| Gloucester, | 30,589 | 5 | 2 | 2 | .. | .. | .. | 2 |
| Newton, | 29,716 | 7 | 3 | 2 | .. | 1 | 1 | .. |
| Fitchburg, | 29,438 | 12 | 5 | 2 | .. | 1 | 1 | .. |
| Taunton, | 28,167 | 6 | 1 | .. | .. | .. | .. | .. |
| Everett, | 25,338 | 9 | 6 | 1 | .. | 1 | .. | .. |
| Quincy, | 23,549 | 8 | 3 | 3 | .. | 3 | .. | .. |
| Pittsfield, | 22,643 | 8 | 2 | 1 | 1 | 1 | .. | .. |
| Waltham, | 22,296 | 4 | 0 | 1 | 1 | .. | 1 | .. |
| North Adams, | 20,971 | 4 | 2 | 4 | .. | 2 | 2 | .. |
| Brookline, | 18,600 | 3 | 2 | 1 | .. | 1 | .. | .. |
| Chicopee, | 17,842 | 8 | 4 | 2 | 1 | 2 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 3 | 3 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | .. | .. | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 3 | 1 | .. | 1 | .. | .. | .. |
| Hyde Park, | 12,805 | 4 | 1 | .. | 2 | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | 2 | 1 | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10.098 | 4 | 2 | 1 | .. | 1 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,674,805 | 506 | 204 | 107 | 44 | 72 | 14 | 7 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and seven deaths were reported from the principal infectious diseases: diarrhœal diseases, 72; typhoid fever, 14; diphtheria and croup, 7; cerebro-spinal meningitis, 5; whooping-cough, 3; erysipelas, 3; scarlet fever, 2; puerperal fever, 1.

No deaths were reported from small pox, measles and malarial fever.

There were 44 deaths from consumption, acute lung diseases, 27, and still-births, 34.

From cerebro-spinal meningitis: Lynn and Chelsea, 2 each; Boston, 1. From erysipelas: Boston, 2; Springfield, 1. From whooping-cough: Boston, 2; Cambridge, 1. From scarlet fever: Boston and Chelsea, 1 each. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 204, as compared with 298 for the preceding week.

Deaths from the principal infectious diseases numbered 107, as compared with 176 for the preceding week.

The death rates for the week were: Boston, 16.53; Worcester, 17.29; Fall River, ——; Cambridge, 15.63; Lowell, 19.92; Lynn, 17.13; New Bedford, 18.79; Somerville, 7.65; Lawrence, 21.79; Springfield, 11.04; Holyoke, 21.54; Brockton, 6.79; Salem, 21.15; Malden, 6.00; Chelsea, 17.05; Haverhill, 11.36; Gloucester, 8.50; Newton, 12.25; Fitchburg, 21.12; Taunton, 11.07; Everett, 18.45; Quincy, 17.60; Pittsfield, 18.36; Waltham, 9.52; North Adams, 10.08; Chicopee, 23.28; Northampton, ——; Medford, 9.42; Marlborough, ——; Newburyport, ——; Woburn, ——.

The total death rate for the week was 15.71 as compared with 19.52 and 17.81, for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING SEPT. 9, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 45 | Measles, | 27 |
| Diphtheria and croup, | 126 | Typhoid fever, | 88 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Sept. 9, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 3, | 29.85 | 69 | 78 | 60 | 94 | 86 | 90 | S. W. | S.W. | 3 | 14 | | O. | O. | | | 0.00 |
| Monday, 4, | 29.97 | 64 | 71 | 58 | 69 | 72 | 70 | N.W. | N. E. | 19 | 5 | | C. | C. | | | 0.04 |
| Tuesday, 5, | 30.05 | 62 | 73 | 52 | 75 | 75 | 75 | S. | S.W. | 3 | 10 | | C. | C. | | | 0.00 |
| Wednes'y, 6, | 29.96 | 64 | 75 | 54 | 70 | 51 | 60 | W. | N.W. | 15 | 12 | | C. | C. | | | 0.00 |
| Thursday, 7, | 30.13 | 62 | 73 | 51 | 55 | 56 | 56 | N. | S.W. | 16 | 12 | | C. | C. | | | 0.00 |
| Friday, 8, | 29.85 | 70 | 81 | 60 | 85 | 64 | 74 | S.W. | N.W. | 18 | 5 | | C. | O. | | | 0.00 |
| Saturday, 9, | 30.03 | 62 | 67 | 58 | 71 | 80 | 76 | N. | S. E. | 12 | 3 | | O. | C. | | | 0.00 |
| Week, - - | 29.96 | | 74 | 56 | | | 73 | | | | | | | | | | 0.04 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following snmmary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of August.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 437 | 107 | 544 | Maple Syrup, . . | .. | .. | .. |
| Butter, . . . | 11 | 0 | 11 | Canned Goods, . | .. | .. | .. |
| Cheese, . . . | 2 | 0 | 2 | Honey, . . . | 1 | 1 | 2 |
| Lard, . . . | 2 | 0 | 2 | Tea, . . . | 2 | 3 | 5 |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | 3 | 0 | 3 |
| Vinegar, . . . | 5 | 4 | 9 | Cocoa, . . . | .. | .. | .. |
| Spices, . . . | 68 | 7 | 75 | Condensed Milk, . | 4 | 0 | 4 |
| Cream of Tartar, . | 25 | 0 | 25 | Other articles of Food and Drinks, | 13 | 18 | 31 |
| Molasses, . . . | 41 | 6 | 47 | Drugs. . . . | 28 | 25 | 53 |
| Syrups, . . . | .. | .. | .. | | | | |
| Maple Sugar, . . | .. | .. | .. | | | | |
| | | | | Totals, . . | 642 | 171 | 813 |

Percentage of adulteration, 21.3. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 19.6 per cent., while the percentage of other articles of food was 18.1.

Eight complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Seven of these were for violation of the statutes relative to the sale of milk, and one of molasses. Fines were imposed amounting to $304.46.

The samples of drugs found to be adulterated were Cayenne Pepper, Distilled Water, Extract of Liquorice, Olive Oil, Precipitated Sulphur, Stronger Ammonia Water, Tannic Acid and Tincture of Iodine.

Thirteen samples of Tomato Ketchup and eight of Codfish were preserved either with benzoin, salicylic or boracic acid.

Four samples of glycerine contained appreciable quantities of arsenic.

Three samples of Lime Juice were preserved with salicylic acid.

Two samples of Precipitated Sulphur contained 50 per cent. of Plaster of Paris, (Calcium Sulphate).

The cities and towns from which samples of food were collected were Boston, Cambridge, Lowell, New Bedford, Somerville, Brockton, Salem, Malden, Chelsea, Gloucester, Newton, Everett, Waltham, Medford, Woburn, Beverly, Ayer, Brookline, Dedham, Dover, Hull, Hyde Park, Lexington, Littleton, Mansfield, Marblehead, Marshfield, Nantucket, Natick, Provincetown, Rockport, Stoughton, Wareham, Westborough and Winthrop.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Sept. 16, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 37.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 16, 1899.

## Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 528,463 | 222 | 81 | 39 | 23 | 16 | 10 | 7 |
| Worcester, | 108,240 | 28 | 12 | 5 | 1 | 4 | .. | .. |
| Fall River, | 95,919 | 48 | 29 | 15 | 6 | 14 | 1 | .. |
| Cambridge, | 89,724 | 25 | 8 | 5 | 3 | 3 | .. | 1 |
| Lowell, | 88,641 | 35 | 22 | 14 | 4 | 12 | .. | .. |
| Lynn, | 66,703 | 23 | 8 | 6 | 2 | 4 | 2 | .. |
| New Bedford, | 66,340 | 17 | 9 | 6 | 2 | 5 | 1 | .. |
| Somerville, | 61,101 | 14 | 6 | 3 | 1 | 3 | .. | .. |
| Lawrence, | 57,263 | 22 | 11 | 6 | 1 | 5 | .. | .. |
| Springfield, | 56,501 | 20 | 11 | 9 | 1 | 5 | .. | .. |
| Holyoke, | 43,424 | 16 | 10 | 6 | 1 | 1 | 2 | 3 |
| Brockton, | 37,278 | 9 | 1 | 1 | 3 | .. | 1 | .. |
| Salem, | 36,883 | 11 | 6 | 4 | 3 | 4 | .. | .. |
| Malden, | 34,613 | 11 | 7 | .. | .. | .. | .. | .. |
| Chelsea, | 33,468 | 4 | 2 | 1 | 2 | 1 | .. | .. |
| Haverhill, | 32,022 | 11 | 3 | 2 | 2 | 2 | .. | .. |
| Gloucester, | 30,589 | 6 | 4 | 1 | 1 | .. | 1 | .. |
| Newton, | 29,716 | 10 | 4 | 1 | 1 | 1 | .. | .. |
| Fitchburg, | 29,438 | 5 | 2 | 1 | 1 | 1 | .. | .. |
| Taunton, | 28,167 | 5 | 3 | 1 | .. | 1 | .. | .. |
| Everett, | 25,338 | 5 | 2 | 3 | .. | 3 | .. | .. |
| Quincy, | 23,549 | 8 | 3 | 4 | .. | 2 | 1 | 1 |
| Pittsfield, | 22,643 | 3 | 0 | .. | .. | .. | .. | .. |
| Waltham, | 22,296 | 3 | 0 | .. | 2 | .. | .. | .. |
| North Adams, | 20,971 | 2 | 2 | 1 | .. | 1 | .. | .. |
| Brookline, | 18,600 | 5 | 2 | .. | .. | .. | .. | .. |
| Chicopee, | 17,842 | 10 | 5 | 2 | 2 | 2 | .. | .. |
| Northampton, | 17,799 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 16,511 | 2 | 1 | 1 | .. | 1 | .. | .. |
| Marlborough, | 15,679 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 14,915 | .. | .. | .. | .. | .. | .. | .. |
| Woburn, | 14,585 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,032 | 5 | 0 | 1 | .. | .. | 1 | .. |
| Hyde Park, | 12,805 | 0 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,397 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,140 | .. | .. | .. | .. | .. | .. | .. |
| Weymouth, | 11,546 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,177 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,716 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,375 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,098 | 2 | 2 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,759,178 | 587 | 256 | 138 | 62 | 91 | 20 | 12 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and thirty-eight deaths were reported from the principal infectious diseases: diarrhœal diseases, 91; typhoid fever, 20; diphtheria and croup, 12; whooping-cough, 8; cerebro-spinal meningitis, 4; scarlet fever, 3.

No deaths were reported from small pox, measles, erysipelas, puerperal fever and malarial fever.

There were 62 deaths from consumption, acute lung diseases, 24, and still-births, 29.

From whooping-cough: Boston, 3; Worcester, Fall River, Cambridge, Somerville and Springfield, 1 each. From cerebro-spinal meningitis: Holyoke, 2; Springfield and Boston, 1 each. From scarlet fever: Boston, 2; Cambridge, 1.

Deaths under five years of age numbered 256, as compared with 204 for the preceding week.

Deaths from the principal infectious diseases numbered 138, as compared with 107 for the preceding week.

The death rates for the week were: Boston, 21.84; Worcester, 13.45; Fall River, 25.58; Cambridge, 14.47; Lowell, 20.51; Lynn, 17.91; New Bedford, 13.31; Somerville, 11.91; Lawrence, 18.35; Springfield, 18.40; Holyoke, 18.85; Brockton, 10.55; Salem, 15.51; Malden, 16.52; Chelsea, 6.20; Haverhill, 17.85; Gloucester, 10.20; Newton, 17.50; Fitchburg, 8.80; Taunton, 9.23; Everett, 10.25; Quincy, 17.60; Pittsfield, 6.88; Waltham, 7.15; North Adams, 5.04; Chicopee, ——; Northampton, ——; Medford, 6.28; Marlborough, ——; Newburyport, ——; Woburn, ——.

The total death rate for the week was 17.35 as compared with 15.71 and 19.52, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING SEPT. 16, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 80 | Measles, | 5 |
| Diphtheria and croup, | 167 | Typhoid fever, | 87 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Sept. 16, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 10, | 30.30 | 58 | 65 | 51 | 58 | 84 | 71 | N. | E. | 7 | 5 | | | C. | C. | | | 0.00 |
| Monday, 11, | 30.04 | 58 | 63 | 53 | 71 | 92 | 82 | E. | S. E. | 12 | 18 | | | O. | R. | | | 0.00 |
| Tuesday, 12, | 29.70 | 60 | 63 | 56 | 92 | 92 | 92 | N. | S. | 11 | 12 | | | O. | C. | | | 0.24 |
| Wednes'y, 13, | 29.84 | 64 | 74 | 54 | 63 | 66 | 64 | W. | N.W. | 8 | 15 | | | C. | C. | | | 0.00 |
| Thursday, 14, | 30.14 | 54 | 63 | 46 | 60 | 58 | 59 | W. | W. | 9 | 12 | | | C. | C. | | | 0.00 |
| Friday, 15, | 30.33 | 54 | 65 | 44 | 57 | 40 | 48 | W. | N.W. | 9 | 6 | | | C. | C. | | | 0.00 |
| Saturday, 16, | 30.46 | 52 | 60 | 45 | 63 | 71 | 57 | N. | S. | 5 | 8 | | | C. | C. | | | 0.00 |
| Week, - - | 30.11 | | 65 | 50 | | | 68 | | | | | | | | | | | 0.24 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

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# MORTALITY OF MASSACHUSETTS

For the Week ending Sept. 23, 1899.

## Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 211 | 81 | 27 | 17 | 10 | 4 | 10 |
| Worcester, | 111,732 | 39 | 23 | 12 | 3 | 5 | 1 | 3 |
| Fall River, | 103,142 | 31 | 22 | 7 | 2 | 6 | 1 | .. |
| Cambridge, | 92,520 | 21 | 7 | 4 | 3 | 3 | .. | 1 |
| Lowell, | 90,114 | 25 | 12 | 7 | .. | 6 | .. | .. |
| New Bedford, | 70,511 | 26 | 13 | 3 | 3 | 3 | .. | .. |
| Lynn, | 68,218 | 17 | .. | 2 | .. | 1 | .. | .. |
| Somerville, | 64,394 | 21 | 5 | 2 | 1 | .. | 1 | .. |
| Lawrence, | 59,072 | 23 | 20 | 5 | 2 | 3 | .. | 1 |
| Springfield, | 58,266 | 12 | 5 | 1 | 1 | .. | .. | 1 |
| Holyoke, | 44,510 | 19 | 11 | 4 | .. | 4 | .. | .. |
| Brockton, | 38,759 | 7 | 4 | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 16 | 5 | 1 | 1 | 1 | .. | .. |
| Malden, | 36,421 | 7 | 3 | 2 | .. | 1 | 1 | .. |
| Chelsea, | 34,235 | 14 | 3 | 1 | 2 | .. | 1 | .. |
| Haverhill, | 32,651 | 12 | 4 | 1 | .. | .. | .. | .. |
| Gloucester, | 31,426 | 5 | 2 | .. | 2 | .. | .. | .. |
| Fitchburg, | 30,523 | 6 | 2 | 1 | .. | .. | .. | .. |
| Newton, | 30,461 | 5 | 2 | 1 | .. | 1 | .. | .. |
| Taunton, | 28,527 | 16 | 4 | 5 | 1 | 3 | 1 | .. |
| Everett, | 28,102 | 6 | 2 | 1 | 1 | .. | .. | 1 |
| Quincy, | 24,578 | 4 | 4 | 2 | 1 | 2 | .. | .. |
| Pittsfield, | 23,421 | 7 | 1 | 1 | 1 | 1 | .. | .. |
| Waltham, | 22,791 | 4 | 3 | .. | .. | .. | .. | .. |
| North Adams, | 21,583 | 7 | 3 | .. | .. | .. | .. | .. |
| Brookline, | 19,412 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 9 | 6 | 3 | 1 | 2 | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 4 | 3 | 1 | .. | 1 | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 6 | 3 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 2 | 0 | 1 | 1 | .. | 1 | .. |
| Hyde Park, | 13,132 | 3 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 4 | 2 | 1 | 1 | .. | 1 | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 5 | 0 | 1 | .. | .. | 1 | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,823,964 | 594 | 255 | 97 | 45 | 53 | 13 | 17 |

## DEATHS FROM PREVALENT DISEASES IN 32 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Ninety-seven deaths were reported from the principal infectious diseases: diarrhœal diseases, 53; diphtheria and croup, 17; typhoid fever, 13; whooping-cough, 6; cerebro-spinal meningitis, 6; measles, 1; malarial fever, 1.

No deaths were reported from small pox, measles, erysipelas, scarlet fever and puerperal fever.

There were 45 deaths from consumption, acute lung diseases, 43, and stillbirths, 39.

From whooping-cough: Boston, 2; Lowell, Lawrence, Taunton and Chicopee, 1 each. From cerebro-spinal meningitis: Worcester, 2; Boston, Lynn, Somerville and Fitchburg, 1 each. From measles, Worcester, 1. From malarial fever: Haverhill, 1.

Deaths under five years of age numbered 255, as compared with 256 for the preceding week.

Deaths from the principal infectious diseases numbered 97, as compared with 138 for the preceding week.

The death rates for the week were: Boston, 20.24; Worcester, 18.13; Fall River, 15.62; Cambridge, 11.80; Lowell, 14.23; Lynn, 12.95; New Bedford, 19.36; Somerville, 17.01; Lawrence, 20.24; Springfield, 10.68; Holyoke, 22.19; Brockton, 9.38; Salem, 21.92; Malden, 10.01; Chelsea, 21.28; Haverhill, 18.36; Gloucester, 8.25; Newton, 8.53; Fitchburg, 10.21; Taunton, 29.15; Everett, 10.10; Quincy, 8.44; Pittsfield, 15.54; Waltham, 9.12; North Adams, 16.87; Chicopee, ——; Northampton, ——; Medford, 12.08; Marlborough, ——; Newburyport, ——; Woburn, ——.

The total death rate for the week was 16.93 as compared with 17.35 and 15.71, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING SEPT. 23, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 127 | Measles, | 6 |
| Diphtheria and croup, | 207 | Typhoid fever, | 123 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Sept. 23, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 17, | 30.27 | 64 | 77 | 52 | 60 | 74 | 67 | S. W. | S. W. | 8 | 13 | C. | C. | | 0.00 |
| Monday, 18, | 30.12 | 68 | 80 | 57 | 74 | 84 | 79 | W. | S. W. | 10 | 20 | C. | C. | | 0.00 |
| Tuesday, 19, | 30.05 | 72 | 82 | 63 | 81 | 83 | 82 | S. W. | S. W. | 12 | 12 | F. | O. | | 0.00 |
| Wednes'y, 20, | 29.77 | 65 | 68 | 62 | 100 | 81 | 90 | N. E. | N.W. | 26 | 10 | R. | C. | | 2.82 |
| Thursday, 21, | 29.87 | 64 | 73 | 54 | 87 | 89 | 88 | W. | W. | 8 | 12 | O. | C. | | 0.21 |
| Friday, 22, | 30.05 | 62 | 73 | 50 | 74 | 75 | 74 | S. W. | S. W. | 10 | 12 | C. | C. | | 0.00 |
| Saturday, 23, | 30.32 | 54 | 59 | 50 | 69 | 62 | 66 | N. | S. E. | 14 | 8 | O. | C. | | 0.00 |
| Week, - - | 30.06 | | 73 | 55 | | | 78 | | | | | | | | 3.02 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Sept. 30 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 39.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending Sept. 30, 1899.

### Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 203 | 81 | 33 | 18 | 13 | 6 | 9 |
| Worcester, | 111,732 | 24 | 12 | 4 | 1 | 3 | .. | .. |
| Fall River, | 103,142 | 41 | 24 | 12 | 9 | 10 | 1 | .. |
| Cambridge, | 92,520 | 28 | 18 | 7 | 2 | 3 | 1 | 3 |
| Lowell, | 90,114 | 37 | 15 | 8 | 5 | 5 | 1 | 1 |
| New Bedford, | 70,511 | 20 | 8 | 4 | .. | 3 | 1 | .. |
| Lynn, | 68,218 | 17 | 2 | 2 | 1 | 2 | .. | .. |
| Somerville, | 64,394 | 20 | 7 | 4 | 1 | 3 | 1 | .. |
| Lawrence, | 59,072 | 24 | 10 | 8 | 2 | 4 | .. | 4 |
| Springfield, | 58,266 | 14 | 3 | 2 | 2 | .. | 2 | .. |
| Holyoke, | 44,510 | 12 | 8 | 4 | 2 | 3 | .. | 1 |
| Brockton, | 38,759 | 10 | 4 | 2 | 1 | .. | .. | 1 |
| Salem, | 37,723 | 8 | 1 | 2 | .. | 1 | .. | 1 |
| Malden, | 36,421 | 11 | 2 | .. | 1 | .. | .. | .. |
| Chelsea, | 34,235 | 9 | 2 | .. | 1 | .. | .. | .. |
| Haverhill, | 32,651 | 9 | 3 | .. | .. | .. | .. | .. |
| Gloucester, | 31,426 | 7 | 3 | .. | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 8 | 2 | 3 | .. | .. | .. | 1 |
| Newton, | 30,461 | 4 | 1 | .. | 1 | .. | .. | .. |
| Taunton, | 28,527 | 14 | .. | 3 | 4 | 2 | .. | 1 |
| Everett, | 28,102 | 13 | 2 | 3 | 1 | .. | 1 | 1 |
| Quincy, | 24,578 | 4 | 1 | 1 | .. | 1 | .. | .. |
| Pittsfield, | 23,421 | 3 | 0 | .. | .. | .. | .. | .. |
| Waltham, | 22,791 | 3 | 0 | .. | .. | .. | .. | .. |
| North Adams, | 21,583 | 1 | 0 | .. | 1 | .. | .. | .. |
| Brookline, | 19,412 | 5 | 2 | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 7 | 3 | 1 | 1 | .. | 1 | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 7 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 4 | 1 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 3 | 1 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 6 | 1 | 1 | 1 | 1 | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 2 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 5 | 3 | 2 | .. | 2 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,844,394 | 583 | 221 | 106 | 55 | 56 | 15 | 23 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and six deaths were reported from the principal infectious diseases: diarrhœal diseases, 56; diphtheria and croup, 23; typhoid fever, 15; whooping-cough, 4; cerebro-spinal meningitis, 3; scarlet fever, 2; puerperal fever, 2; erysipelas, 1.

No deaths were reported from small pox, measles and malarial fever.

There were 55 deaths from consumption, acute lung diseases, 30, and stillbirths, 30.

From whooping-cough: Boston, 2; Fall River and Lowell, 1 each. From cerebro-spinal meningitis: Boston, 2; Worcester, 1. From scarlet fever: Boston and Brockton, 1 each. From puerperal fever: Fitchburg, 1.

Deaths under five years of age numbered 221, as compared with 255 for the preceding week.

Deaths from the principal infectious diseases numbered 106, as compared with 97 for the preceding week.

The death rates for the week were: Boston, 19.54; Worcester, 11.16; Fall River, 21.66; Cambridge, 15.73; Lowell, 21.10; New Bedford, 17.74; Lynn, 12.95; Somerville, 16.14; Lawrence, 21.10; Springfield, 12.48; Holyoke, 14.01; Brockton, 13.41; Salem, 10.98; Malden, 15.68; Chelsea, 13.68; Haverhill, 13.79; Gloucester, 1.55; Fitchburg, 13.62; Newton, 6.80; Taunton, 25.50; Everett, 24.05; Quincy, 8.44; Pittsfield, 6.66; Waltham, 6.84; North Adams, 2.41; Chicopee, 19.81; Northampton, ——; Medford, 21.14; Marlborough, ——; Newburyport, ——; Woburn, ——.

The total death rate for the week was 16.43 as compared with 16.93 and 17.35, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING SEPT. 30, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 75 | Measles, | 20 |
| Diphtheria and croup, | 180 | Typhoid fever, | 95 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Sept. 30, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 24, | 30.32 | 58 | 66 | 49 | 69 | 77 | 73 | S. W. | S. | 4 | 9 | O. | C. | | 0.00 |
| Monday, 25, | 30.66 | 64 | 75 | 54 | 92 | 99 | 96 | S. W. | E. | 4 | 9 | O. | O. | | 0.00 |
| Tuesday, 26, | 29.76 | 64 | 70 | 59 | 97 | 90 | 94 | E. | S. | 10 | 9 | G. | F. | | 0.16 |
| Wednes'y, 27, | 29.97 | 58 | 65 | 50 | 81 | 70 | 76 | S. W. | S. W. | 12 | 11 | F. | C. | | 0.00 |
| Thursday, 28, | 30.23 | 58 | 70 | 46 | 69 | 70 | 70 | S. W. | S. | 4 | 11 | C. | C. | | 0.00 |
| Friday, 29, | 30.10 | 63 | 72 | 54 | 75 | 89 | 82 | S. | E. | 12 | 6 | O. | O. | | 0.00 |
| Saturday, 30, | 30.04 | 53 | 61 | 45 | 81 | 57 | 69 | W. | W. | 15 | 8 | O. | C. | | 1.26 |
| Week, - - | 30.07 | | 68 | 51 | | | 80 | | | | | | | | 1.42 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Oct. 7, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 40.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending Oct. 7, 1899.

### Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 206 | 57 | 25 | 18 | 4 | 7 | 14 |
| Worcester, | 111,732 | 28 | 6 | 4 | 3 | 3 | 1 | .. |
| Fall River, | 103,142 | 33 | 18 | 1 | 4 | 1 | .. | .. |
| Cambridge, | 92,520 | 22 | 7 | 5 | 4 | 2 | .. | 3 |
| Lowell, | 90,114 | 31 | 18 | 6 | 2 | 5 | .. | .. |
| New Bedford, | 70,511 | 11 | 6 | 3 | 1 | 1 | .. | .. |
| Lynn, | 68,218 | 23 | 5 | 1 | 1 | .. | .. | .. |
| Somerville, | 64,394 | 9 | 3 | 1 | 2 | .. | 1 | .. |
| Lawrence, | 59,072 | 14 | 6 | 4 | 3 | 3 | .. | 1 |
| Springfield, | 58,266 | 17 | 6 | 5 | 3 | 1 | 1 | 3 |
| Holyoke, | 44,510 | 13 | 8 | 6 | 3 | 5 | .. | .. |
| Brockton, | 38,759 | 3 | 1 | 2 | .. | .. | 1 | .. |
| Salem, | 37,723 | 13 | 5 | .. | 2 | .. | .. | .. |
| Malden, | 36,421 | 2 | 1 | .. | .. | .. | .. | .. |
| Chelsea, | 34,235 | 14 | 2 | .. | 1 | .. | .. | .. |
| Haverhill, | 32,651 | 7 | 3 | .. | .. | .. | .. | .. |
| Gloucester, | 31,426 | 3 | 1 | 1 | 1 | .. | 1 | .. |
| Fitchburg, | 30,523 | 8 | 4 | 1 | .. | .. | .. | .. |
| Newton, | 30,461 | 6 | 5 | .. | .. | .. | .. | .. |
| Taunton, | 28,527 | 11 | 4 | 3 | 1 | .. | .. | 2 |
| Everett, | 28,102 | 6 | 1 | .. | 1 | .. | .. | .. |
| Quincy, | 24,578 | .. | .. | .. | .. | .. | .. | .. |
| Pittsfield, | 23,421 | 4 | 1 | .. | .. | .. | .. | .. |
| Waltham, | 22,791 | 8 | 2 | .. | .. | .. | .. | .. |
| North Adams, | 21,583 | 7 | 1 | .. | 2 | .. | .. | .. |
| Brookline, | 19,412 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 8 | 6 | 3 | 1 | 3 | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 4 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 2 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 1 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 3 | 2 | 1 | 1 | 1 | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 7 | 2 | 4 | .. | 2 | .. | 2 |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 3 | 1 | 2 | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,799,404 | 527 | 183 | 78 | 54 | 31 | 12 | 25 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-eight deaths were reported from the principal infectious diseases: diarrhœal diseases, 31; diphtheria and croup, 25; typhoid fever, 12; whooping-cough, 5; cerebro-spinal meningitis, 4; scarlet fever, 1.

No deaths were reported from small-pox, measles, puerperal fever and erysipelas.

There were 54 deaths from consumption, acute lung diseases, 34, and stillbirths, 27.

From whooping-cough: Lowell, Lynn, Brockton, Fitchburg and Taunton, 1 each. From cerebro-spinal meningitis: New Bedford and Amesbury, 2 each. From scarlet fever: Holyoke, 1.

Deaths under five years of age numbered 183, as compared with 221 for the preceding week.

Deaths from the principal infectious diseases numbered 78, as compared with 106 for the preceding week.

The death rates for the week were: Boston, 19.85; Worcester, 13.02; Fall River, 16.63; Cambridge, 12.36; Lowell, 17.68; New Bedford, 8.10; Lynn, 17.52; Somerville, 7.26; Lawrence, 13.92; Springfield, 15.16; Holyoke, 15.18; Brockton, 4.02; Salem, 17.91; Malden, 2.86; Chelsea, 21.28; Haverhill, 10.51; Gloucester, 4.95; Fitchburg, 13.62; Newton, 10.20; Taunton, 20.20; Everett, 11.10; Quincy, ——; Pittsfield, 8.88; Waltham, 18.24; North Adams, 16.87; Chicopee, 24.16; Northampton, ——; Medford, 12.08; Marlborough, ——; Newburyport, ——; Woburn, ——.

The total death rate for the week was 15.23 as compared with 16.43 and 16.93, for the previous two weeks.

---

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING OCT. 7, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 92 | Measles, | 23 |
| Diphtheria and croup, | 213 | Typhoid fever, | 95 |
| Small-pox, | 3 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Oct. 7, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 1, | 30.37 | 46 | 53 | 39 | 64 | 59 | 62 | N.W. | N. | 17 | 13 | C. | C. | | 0.00 |
| Monday, 2, | 30.46 | 46 | 45 | 34 | 66 | 61 | 64 | N.W. | N. | 8 | 11 | O. | O. | | 0.00 |
| Tuesday, 3, | 30.40 | 44 | 52 | 35 | 63 | 50 | 56 | N. | N.W. | 15 | 7 | C. | C. | | 0.00 |
| Wednes'y, 4, | 30.28 | 50 | 65 | 36 | 60 | 49 | 54 | W. | S.W. | 8 | 12 | C. | C. | | 0.00 |
| Thursday, 5, | 30.12 | 62 | 71 | 53 | 66 | 66 | 66 | W. | W. | 9 | 5 | O. | C. | | 0.00 |
| Friday, 6, | 29.86 | 54 | 57 | 50 | 88 | 94 | 91 | N.W. | N. | 3 | 20 | R. | R. | | 0.67 |
| Saturday, 7, | 30.09 | 52 | 60 | 45 | 73 | 69 | 71 | N. | N. | 12 | 4 | C. | C. | | 0.02 |
| Week, - - | 30.22 | | 58 | 42 | | | 66 | | | | | | | | 0.69 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of September.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, | 445 | 89 | 534 | Maple Syrup, | 1 | 0 | 1 |
| Butter, | 7 | 5 | 12 | Canned Goods, | 28 | 6 | 34 |
| Cheese, | 2 | 0 | 2 | Honey, | 1 | 1 | 2 |
| Lard, | 1 | 0 | 1 | Tea, | 5 | 2 | 7 |
| Olive Oil, | .. | .. | .. | Coffee, | 11 | 0 | 11 |
| Vinegar, | 0 | 3 | 3 | Cocoa, | 3 | 1 | 4 |
| Spices, | 99 | 11 | 110 | Confectionery, | 0 | 1 | 1 |
| Cream of Tartar, | 30 | 1 | 31 | Miscellaneous, | 12 | 20 | 32 |
| Molasses, | 5 | 3 | 8 | Condensed Milk, | 16 | 0 | 16 |
| Syrups, | .. | .. | .. | Drugs, | 32 | 36 | 68 |
| Maple Sugar, | .. | .. | .. | | | | |
| | | | | Totals, | 698 | 179 | 877 |

Percentage of adulteration, 20.4. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 16.6 per cent., while the percentage of other articles of food was 19.6.

Six complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Four of these were for violation of the statutes relative to the sale of milk, and two of molasses. Fines were imposed amounting to $120.

The samples of drugs found to be adulterated were Bismuth Sub-carbonate, Camphorated Tincture of Opium, Extract of Licorice, Glycerine, Syrup and Tincture of Iodine.

The following brands of canned peas were found by the inspectors offered for sale in the markets, in violation of the Statutes of 1897, chap. 344, which prohibits the sale of "soaked" articles without being properly and legibly labelled: —

ROSEBUD EARLY JUNE PEAS,

Packed by the ROSEBUD Co., at

BALTIMORE, MD., U. S. A.

These goods are of FINE QUALITY, &c., &c.

ALSO

JAS. K. BROWN & Co.,

PEAS. BRAND. Packed by

CHAS. G. SUMMERS & Co.,

At BALTIMORE, MD.

CUT OF GREEN PEAS.

On very minute examination the latter label was found to bear the words "soaked goods" in letters so indistinct as to be scarcely legible.

Parties were convicted for the sale of preparations of this character.

Under "miscellaneous" are included six samples of oysters, all preserved with boracic acid; eight samples of ketchup, of which five contained salicylic acid; and one sample of codfish containing boracic acid.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Oct. 14, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 41.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
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JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 14, 1899.

## Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 186 | 59 | 27 | 29 | 6 | 8 | 10 |
| Worcester, | 111,732 | 34 | 17 | 6 | 3 | .. | 1 | 3 |
| Fall River, | 103,142 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 92,520 | 28 | 10 | 6 | 1 | 1 | .. | 4 |
| Lowell, | 90,114 | 34 | 12 | 4 | 3 | 3 | .. | 1 |
| New Bedford, | 70,511 | 17 | 8 | 1 | .. | 1 | .. | .. |
| Lynn, | 68,218 | .. | .. | .. | .. | .. | .. | .. |
| Somerville, | 64,394 | 13 | 4 | .. | 2 | .. | .. | .. |
| Lawrence, | 59,072 | 13 | 11 | .. | 1 | .. | .. | .. |
| Springfield, | 58,266 | 21 | 7 | 7 | 1 | 1 | .. | 5 |
| Holyoke, | 44,510 | 17 | 5 | 3 | 3 | 1 | .. | 1 |
| Brockton, | 38,759 | 4 | 1 | 1 | .. | .. | .. | 1 |
| Salem, | 37,723 | 12 | 7 | 1 | .. | .. | .. | 1 |
| Malden, | 36,421 | 10 | 4 | .. | .. | .. | .. | .. |
| Chelsea, | 34,235 | 5 | 1 | 1 | .. | .. | .. | .. |
| Haverhill, | 32,651 | 6 | 2 | 1 | 1 | .. | .. | 1 |
| Gloucester, | 31,426 | .. | .. | .. | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 5 | 0 | 1 | .. | .. | .. | .. |
| Newton, | 30,461 | 13 | 5 | 1 | 1 | 1 | .. | .. |
| Taunton, | 28,527 | 13 | 4 | 1 | 3 | 1 | .. | .. |
| Everett, | 28,102 | 6 | 2 | 3 | 1 | .. | .. | 2 |
| Quincy, | 24,578 | 6 | 3 | 3 | .. | .. | 2 | .. |
| Pittsfield, | 23,421 | 3 | 0 | .. | 2 | .. | .. | .. |
| Waltham, | 22,791 | 2 | 0 | .. | 1 | .. | .. | .. |
| North Adams, | 21,583 | 7 | 1 | .. | 1 | .. | .. | .. |
| Brookline, | 19,412 | 4 | 2 | 1 | .. | .. | .. | 1 |
| Chicopee, | 18,316 | 7 | 5 | 1 | .. | 1 | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 2 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 1 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 2 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 2 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 6 | 2 | 1 | 1 | .. | 1 | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 4 | 1 | 2 | 1 | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,640,608 | 483 | 174 | 72 | 55 | 16 | 12 | 30 |

## DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-two deaths were reported from the principal infectious diseases: diphtheria and croup, 30; diarrhœal diseases, 16; typhoid fever, 12; cerebro-spinal meningitis, 8; whooping-cough, 2; scarlet fever, 2; puerperal fever, 1; small-pox, 1.

No deaths were reported from measles, erysipelas and malarial fever.

There were 55 deaths from consumption, acute lung diseases, 41, and stillbirths, 35.

From cerebro-spinal meningitis: Worcester and Amesbury, 2 each; Boston, Cambridge, Springfield and Quincy, 1 each. From whooping-cough: Boston, 2. From scarlet fever: Holyoke and Malden, 1 each. From puerperal fever: Fitchburg, 1. From small-pox: Everett, 1.

Deaths under five years of age numbered 174, as compared with 183 for the preceding week.

Deaths from the principal infectious diseases numbered 72, as compared with 78 for the preceding week.

The death rates for the week were: Boston, 17.93: Worcester, 15.81; Fall River, ——; Cambridge, ——; Lowell, 19.38; New Bedford, 12.52; Lynn, ——; Somerville, ——; Lawrence, 11.44; Springfield, 18.73; Holyoke, 19.85; Brockton, 5.36: Salem, 16.53; Malden, 14.30; Chelsea, 7.60; Haverhill, 9.18; Gloucester, ——; Fitchburg, 8.52; Newton, 22.10; Taunton, 23.66; Everett, 11.10; Quincy, 12.69; Pittsfield, 6.66; Waltham, 4.56; North Adams, 16.87; Chicopee, 19.81; Northampton, ——; Medford, 6.04; Marlborough, ——; Newburyport, ——; Woburn, ——.

The total death rate for the week was 15.31 as compared with 15.23 and 16.43, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING OCT. 14, 1899.

(Under the Provisions of Chapter 302 of the Acts of 1893.)

| | | | |
|---|---|---|---|
| Scarlet fever, | 154 | Measles, | 24 |
| Diphtheria and croup, | 240 | Typhoid fever, | 120 |
| Small-pox, | 5 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Oct. 14, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 8, | 30.22 | 48 | 54 | 41 | 79 | 41 | 81 | N.W. | E. | 4 | 10 | O. | F. | | 0.00 |
| Monday, 9, | 30.06 | 52 | 54 | 50 | 98 | 50 | 96 | N.E. | N. | 14 | 8 | T. | O. | | 0.55 |
| Tuesday, 10, | 30.25 | 55 | 61 | 49 | 92 | 49 | 87 | N.W. | S. | 6 | 4 | O. | C. | | 0.00 |
| Wednes'y, 11, | 30.27 | 56 | 66 | 46 | 96 | 46 | 91 | W. | S.W. | 6 | 11 | G. | F. | | 0.00 |
| Thursday, 12, | 30.18 | 64 | 70 | 59 | 89 | 59 | 84 | W. | S.W. | 5 | 8 | O. | C. | | 0.00 |
| Friday, 13, | 30.28 | 60 | 66 | 54 | 86 | 54 | 90 | N. | E. | 4 | 6 | O. | C. | | 0.00 |
| Saturday, 14, | 30.30 | 64 | 77 | 52 | 94 | 52 | 90 | S.W. | S.W. | 7 | 16 | O. | C. | | 0.00 |
| Week, - - | 30.22 | | 64 | 50 | | | 88 | | | | | | | | 0.55 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Oct. 21, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 42.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 21, 1899.

## Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 163 | 48 | 19 | 24 | 2 | 8 | 6 |
| Worcester, | 111,732 | 33 | 16 | 2 | 3 | .. | 2 | .. |
| Fall River, | 103,142 | 24 | 11 | 3 | 3 | 2 | 1 | .. |
| Cambridge, | 92,520 | 33 | 16 | 5 | 5 | .. | 1 | 3 |
| Lowell, | 90,114 | 25 | 3 | 2 | 4 | .. | 1 | 1 |
| New Bedford, | 70,511 | 20 | 4 | 1 | 1 | 1 | .. | .. |
| Lynn, | 68,218 | 12 | 4 | 3 | .. | .. | 2 | 1 |
| Somerville, | 64,394 | 15 | 2 | .. | 3 | .. | .. | .. |
| Lawrence, | 59,072 | 25 | 13 | 6 | 1 | 2 | 1 | 2 |
| Springfield, | 58,266 | 17 | 5 | 7 | .. | .. | .. | 5 |
| Holyoke, | 44,510 | 14 | 8 | 2 | 1 | 1 | .. | .. |
| Brockton, | 38,759 | 8 | 0 | .. | 1 | .. | .. | .. |
| Salem, | 37,723 | 16 | 4 | 3 | .. | .. | 1 | 2 |
| Malden, | 36,421 | 7 | 0 | 1 | 1 | .. | .. | .. |
| Chelsea, | 34,235 | 5 | 1 | .. | .. | .. | .. | .. |
| Haverhill, | 32,651 | 9 | 2 | .. | .. | .. | .. | .. |
| Gloucester, | 31,426 | 3 | 3 | .. | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 12 | 8 | 1 | 2 | .. | .. | 1 |
| Newton, | 30,461 | 10 | 3 | 1 | .. | .. | .. | .. |
| Taunton, | 28,527 | 6 | 1 | 1 | .. | 1 | .. | .. |
| Everett, | 28,102 | 6 | 3 | 3 | .. | 1 | .. | 1 |
| Quincy, | 24,578 | 4 | 1 | 1 | 2 | .. | .. | .. |
| Pittsfield, | 23,421 | 2 | 0 | .. | 1 | .. | .. | .. |
| Waltham, | 22,791 | 4 | 0 | 2 | .. | .. | 2 | .. |
| North Adams, | 21,583 | 8 | 2 | .. | .. | .. | .. | .. |
| Brookline, | 19,412 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 4 | 1 | 1 | .. | 1 | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 1 | 1 | 1 | .. | .. | .. | 1 |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 5 | 2 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 3 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 3 | 1 | 1 | .. | 1 | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 4 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,813,846 | 501 | 163 | 66 | 52 | 12 | 19 | 23 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-one deaths were reported from the principal infectious diseases: diphtheria and croup, 23; typhoid fever, 19; diarrhœal diseases, 12; scarlet fever, 5; whooping-cough, 4; cerebro-spinal meningitis, 3.

No deaths were reported from small-pox, measles, puerperal fever, erysipelas and malarial fevers.

There were 52 deaths from acute lung diseases, consumption, 43, and stillbirths, 40.

From scarlet fever: Boston, Springfield, Holyoke, Newton and Everett, 1 each. From whooping-cough: Cambridge, Lawrence, Springfield and Quincy, 1 each. From cerebro-spinal meningitis: Boston, 2, Malden, 1.

Deaths under five years of age numbered 163, as compared with 174 for the previous week.

Deaths from the principal infectious diseases numbered 66, as compared with 72 for the previous week.

The death rates for the week were: Boston, 15.71; Worcester, 15.34; Fall River, 12.09; Cambridge, ——; Lowell, 11.76; New Bedford, 14.74; Lynn, 9.14; Somerville, 12.10; Lawrence, 22.00; Springfield, 15.16; Holyoke, 16.35; Brockton, 10.72; Salem, 21.92; Malden, 9.94; Chelsea, 7.60; Haverhill, 13.77; Gloucester, 4.95; Fitchburg, 20.43; Newton, 17.00; Taunton, ——; Everett, 11.10; Quincy, 8.44; Pittsfield, 4.44; Waltham, 9.12; North Adams, 19.28; Chicopee, 11.32; Northampton, ——; Medford, 3.02; Marlborough, ——; Newburyport, ——; Woburn, ——.

The death rate for the week was 14.63 as compared with 15.31 and 15.23, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING OCT. 21, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 133 | Measles, | 21 |
| Diphtheria and croup, | 255 | Typhoid fever, | 98 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

---

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Oct. 21, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 15, | 30.29 | 64 | 73 | 55 | 85 | 86 | 86 | W. | E. | 10 | 3 | | O. | C. | | | 0.00 |
| Monday, 16, | 30.39 | 56 | 58 | 53 | 93 | 88 | 90 | N. E. | S. E. | 12 | 8 | | O. | C. | | | 0.00 |
| Tuesday, 17, | 30.16 | 57 | 65 | 49 | 92 | 86 | 89 | N. W. | S. | 1 | 7 | | O. | O. | | | 0.00 |
| Wednes'y, 18, | 29.89 | 66 | 72 | 61 | 90 | 96 | 93 | S. | W. | 6 | 6 | | O. | O. | | | 0.40 |
| Thursday, 19, | 30.09 | 64 | 72 | 56 | 76 | 48 | 62 | N. W. | W. | 14 | 6 | | C. | C. | | | 0.00 |
| Friday, 20, | 30.23 | 46 | 56 | 37 | 90 | 62 | 76 | N. | N. W. | 10 | 11 | | R. | C. | | | 0.09 |
| Saturday, 21, | 30.40 | 40 | 46 | 34 | 66 | 54 | 60 | W. | N. W. | 15 | 12 | | F. | C. | | | 0.00 |
| Week, - - | 30.21 | | 63 | 49 | | | 80 | | | | | | | | | | 0.49 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Oct. 28, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 43.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Oct. 28, 1899.

## Deaths reported to the State Board of Health in 29 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 202 | 58 | 15 | 27 | 4 | 3 | 3 |
| Worcester, | 111,732 | 24 | 16 | 5 | 1 | 3 | .. | .. |
| Fall River, | 103,142 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 92,520 | 18 | 6 | 8 | 2 | 2 | 2 | 3 |
| Lowell, | 90,114 | 29 | 9 | 1 | 7 | .. | .. | 1 |
| New Bedford, | 70,511 | 18 | 5 | 2 | 3 | .. | 2 | .. |
| Lynn, | 68,218 | 19 | 4 | 1 | 1 | .. | .. | .. |
| Somerville, | 64,394 | 9 | 5 | 2 | 1 | .. | .. | 1 |
| Lawrence, | 59,072 | 14 | 6 | 3 | 1 | 1 | 1 | 1 |
| Springfield, | 58,266 | 8 | 2 | 2 | 2 | .. | .. | 2 |
| Holyoke, | 44,510 | 10 | 7 | 1 | .. | .. | .. | 1 |
| Brockton, | 38,759 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 7 | 3 | 1 | .. | .. | .. | 1 |
| Malden, | 36,421 | 7 | 0 | .. | 1 | .. | .. | .. |
| Chelsea, | 34,235 | 18 | 5 | .. | 1 | .. | .. | .. |
| Haverhill, | 32,651 | 7 | 2 | 1 | 1 | .. | .. | .. |
| Gloucester, | 31,426 | 5 | 2 | 2 | 1 | .. | .. | .. |
| Fitchburg, | 30,523 | 5 | 2 | .. | 1 | .. | .. | .. |
| Newton, | 30,461 | 10 | 4 | .. | .. | .. | .. | .. |
| Taunton, | 28,527 | 17 | 6 | 3 | 1 | 2 | .. | .. |
| Everett, | 28,102 | 5 | 1 | .. | 1 | .. | .. | .. |
| Quincy, | 24,578 | .. | .. | .. | .. | .. | .. | .. |
| Pittsfield, | 23,421 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,791 | 2 | 0 | .. | .. | .. | .. | .. |
| North Adams, | 21,583 | 6 | 2 | 1 | .. | .. | 1 | .. |
| Brookline, | 19,412 | 5 | 1 | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 9 | 2 | 1 | 3 | .. | 1 | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 6 | 2 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 3 | 1 | 1 | .. | .. | .. | 1 |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 2 | 1 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 3 | 2 | 2 | 1 | 1 | .. | 1 |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 2 | 1 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 5 | 3 | 4 | .. | 1 | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,653,494 | 475 | 157 | 56 | 56 | 14 | 10 | 15 |

## DEATHS FROM PREVALENT DISEASES IN 29 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-six deaths were reported from the principal infectious diseases: diphtheria and croup, 15; diarrhœal diseases, 14; typhoid fever, 10; cerebro-spinal meningitis, 9; scarlet fever, 4; whooping-cough, 3; erysipelas, 1.

No deaths were reported from small-pox, measles, puerperal fever, and malarial fever.

There were 56 deaths from consumption, acute lung diseases, 40, and stillbirths, 34. From cerebro-spinal meningitis: Boston, Worcester and Amesbury, 2 each, Lynn, Somerville and Gloucester, 1 each. From scarlet fever: Boston, Haverhill and Gloucester, 1 each. From whooping-cough: Boston, 2, Cambridge, 1. From erysipelas: Taunton, 1.

Deaths under five years of age numbered 157, as compared with 163 for the preceding week.

Deaths from the principal infectious diseases numbered 56, as compared with 66 for the preceding week.

The death rates for the week were: Boston, 19.47; Worcester, 11.16; Fall River, ——; Cambridge, ——; Lowell, 16.54; New Bedford, 13.26; Lynn, 14.47; Somerville, 7.26; Lawrence, 12.32; Springfield, 7.13; Holyoke, 11.68; Brockton, ——; Salem, 9.59; Malden, 10.01; Chelsea, 27.36; Haverhill, 10.71; Gloucester, 8.25; Fitchburg, 8.56; Newton, 17.00; Taunton, 30.94; Everett, 9.25; Quincy, ——; Pittsfield, ——; Waltham, 4.56; North Adams, 14.40; Chicopee, 25.47; Northampton, ——; Medford, 18.12; Marlborough, ——; Newburyport, 10.35; Woburn, ——.

The death rate for the week was 14.94 as compared with 13.81 and 15.31, for the previous two weeks.

---

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING OCT. 28, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 166 | Measles, | 35 |
| Diphtheria and croup, | 210 | Typhoid fever, | 77 |
| Small-pox, | 6 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Oct. 28, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 22, | 30.45 | 44 | 54 | 34 | 57 | 40 | 50 | W. | S. W. | 8 | 6 | C. | O. | | 0.00 |
| Monday, 23, | 30.37 | 48 | 52 | 45 | 79 | 80 | 80 | W. | N. | 6 | 4 | R. | F. | | 0.63 |
| Tuesday, 24, | 30.49 | 50 | 53 | 46 | 81 | 82 | 82 | N. | S. E. | 5 | 8 | O. | O. | | 0.00 |
| Wednes'y, 25, | 30.36 | 62 | 75 | 49 | 87 | 76 | 82 | S. W. | S. W. | 9 | 12 | F. | C. | | 0.00 |
| Thursday, 26, | 30.16 | 65 | 74 | 56 | 67 | 57 | 62 | S. W. | W. | 10 | 9 | F. | C. | | 0.00 |
| Friday, 27, | 30.20 | 56 | 62 | 50 | 77 | 98 | 88 | N. | N. E. | 7 | 10 | O. | R. | | 0.00 |
| Saturday, 28, | 30.12 | 56 | 61 | 50 | 97 | 94 | 96 | E. | S. | 4 | 3 | G. | O. | | 0.01 |
| Week, - - | 30.71 | | 62 | 47 | | | 77 | | | | | | | | 0.64 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Nov. 4, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 44.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned hy the hoards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this hulletin.

### STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 4, 1899.

## Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, bnt the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 195 | 50 | 18 | 29 | 4 | 4 | 9 |
| Worcester, | 111,732 | 22 | 18 | 2 | 3 | 2 | .. | .. |
| Fall River, | 103,142 | 28 | 13 | 6 | 5 | 6 | .. | .. |
| Cambridge, | 92,520 | 22 | 11 | 2 | 5 | .. | 1 | 1 |
| Lowell, | 90,114 | 35 | 13 | 6 | 2 | .. | 3 | 3 |
| New Bedford, | 70,511 | 21 | 4 | 4 | 2 | .. | 1 | .. |
| Lynn, | 68,218 | 18 | 6 | 2 | 2 | 1 | .. | .. |
| Somerville, | 64,394 | 16 | 3 | 2 | 2 | .. | .. | .. |
| Lawrence, | 59,072 | 16 | 5 | 1 | 1 | .. | .. | 1 |
| Springfield, | 58,266 | 22 | 7 | 5 | 1 | .. | 1 | 3 |
| Holyoke, | 44,510 | 13 | 4 | 1 | .. | .. | .. | 1 |
| Brockton, | 38,759 | 9 | 1 | 2 | .. | 1 | .. | .. |
| Salem, | 37,723 | 16 | 7 | 2 | 5 | 1 | .. | .. |
| Malden, | 36,421 | 7 | 0 | .. | .. | .. | .. | .. |
| Chelsea, | 34,235 | 8 | 1 | .. | .. | .. | .. | .. |
| Haverhill, | 32,651 | 2 | 0 | .. | 1 | .. | .. | .. |
| Gloucester, | 31,426 | 6 | 3 | 1 | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 8 | 1 | 2 | 1 | 1 | .. | .. |
| Newton, | 30,461 | 8 | 2 | 1 | .. | 1 | .. | .. |
| Taunton, | 28,527 | 11 | 4 | .. | 2 | .. | .. | .. |
| Everett, | 28,102 | 5 | 1 | 2 | 1 | .. | .. | .. |
| Quincy, | 24,578 | .. | .. | .. | .. | .. | .. | .. |
| Pittsfield, | 23,421 | 8 | 2 | .. | .. | .. | .. | .. |
| Waltham, | 22,791 | 3 | 1 | .. | 1 | .. | .. | .. |
| North Adams, | 21,583 | 4 | 0 | 1 | .. | .. | 1 | .. |
| Brookline, | 19,412 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 4 | 3 | 1 | .. | 1 | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 2 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 3 | 1 | .. | 1 | .. | .. | .. |
| Woburn, | 14,721 | 2 | 1 | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 4 | 0 | .. | 1 | .. | .. | .. |
| Hyde Park, | 13,132 | 2 | 1 | 1 | .. | 1 | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 1 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,803,989 | 521 | 164 | 62 | 65 | 19 | 11 | 18 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-two deaths were reported from the principal infectious diseases: diarrhœal diseases, 19; diphtheria and croup, 18; typhoid fever, 11; cerebro-spinal meningitis, 4; whooping-cough, 3; scarlet fever, 3; erysipelas, 2; measles, 1; small-pox 1.

No deaths were reported from puerperal fever and malarial fever.

There were 65 deaths from acute lung diseases, consumption, 47, and stillbirths, 32. From cerebro-spinal meningitis: Somerville, 2, Brockton and Everett, 1 each. From whooping-cough: Boston, Gloucester and Fitchburg, 1 each. From scarlet fever: New Bedford, 2, Lynn, 1. From erysipelas: New Bedford and Salem, 1 each. From measles, Springfield 1. From small-pox, Everett, 1.

Deaths under five years of age numbered 164, as compared with 157 for the preceding week.

Deaths from the principal infectious diseases numbered 62, as compared with 56 for the preceding week.

The death rates for the week were: Boston, 18.79; Worcester, 10.23; Fall River, 14.11; Cambridge, ——; Lowell, 19.96; New Bedford, 15.47; Lynn, 13.71; Somerville, 12.91; Lawrence, 14.08; Springfield, 19.62; Holyoke, 15.18; Brockton, 12.06; Salem, 22.04; Malden, 10.01; Chelsea, 12.16; Haverhill, 3.06; Gloucester, 9.90; Fitchburg, 13.62; Newton, 13.60; Taunton, 20.02; Everett, 14.05; Quincy, ——; Pittsfield, 17.76; Waltham, 6.84; North Adams, 9.64; Chicopee, 11.32; Northampton, ——; Medford, 6.04; Marlborough, ——; Newburyport, 10.35; Woburn, ——.

The total death rate for the week was 15.00 as compared with 14.94 and 13.81, for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING NOV. 4, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 172 | Measles, | 41 |
| Diphtheria and croup, | 197 | Typhoid fever, | 86 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Nov. 4, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 29, | 29.91 | 62 | 73 | 52 | 87 | 81 | 84 | S.W. | N.W. | 16 | 10 | | O. | O. | | | 0.16 |
| Monday, 30, | 30.24 | 54 | 61 | 46 | 80 | 67 | 74 | N.W. | N. | 8 | 7 | | O. | C. | | | 0.00 |
| Tuesday, 31, | 30.09 | 52 | 55 | 49 | 75 | 98 | 86 | E. | N.E. | 21 | 24 | | O. | R. | | | 0.47 |
| Wednes'y, 1, | 29.56 | 56 | 66 | 46 | 97 | 88 | 92 | N.E. | S.W. | 4 | 13 | | R. | O. | | | 0.70 |
| Thursday, 2, | 30.17 | 40 | 46 | 33 | 84 | 66 | 75 | N.W. | N.W. | 25 | 8 | | C. | C. | | | T. |
| Friday, 3, | 30.39 | 40 | 46 | 33 | 74 | 72 | 73 | N. | E. | 4 | 20 | | C. | F. | | | 0.00 |
| Saturday, 4, | 29.91 | 50 | 58 | 41 | 97 | 70 | 84 | N.W. | W. | 6 | 13 | | G. | G. | | | 0.74 |
| Week, - - | 29.99 | | 58 | 43 | | | 81 | | | | | | | | | | 2.07 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of October.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 292 | 203 | 495 | Maple Syrup, . . | .. | .. | .. |
| Butter, . . . | 13 | 3 | 16 | Canned Goods, . | 1 | 5 | 6 |
| Cheese, . . . | 3 | 0 | 3 | Honey, . . . | 5 | 1 | 6 |
| Lard, . . . | 1 | 0 | 1 | Tea, . . . | 4 | 0 | 4 |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | 12 | 0 | 12 |
| Vinegar, . . . | 1 | 5 | 6 | Cocoa, . . . | 5 | 2 | 7 |
| Spices, . . . | 131 | 12 | 143 | Confectionery, . | .. | .. | .. |
| Cream of Tartar, . | 28 | 1 | 29 | Other articles of Food and Drinks, | 10 | 4 | 14 |
| Molasses, . . . | 9 | 1 | 10 | Drugs, . . . | 33 | 28 | 61 |
| Syrups, . . . | 2 | 1 | 3 | | | | |
| Maple Sugar, . . | .. | .. | .. | | | | |
| | | | | Totals, . . | 550 | 266 | 816 |

Percentage of adulteration, 32.6. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 41.0 per cent., while the percentage of other articles of food was 13.5.

Nine complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Five of these were for violation of the statutes relative to the sale of milk; canned peas, one, molasses, one, precipitated sulphur, one, and tincture of iodine, one. Fines were imposed amounting to $265.

The samples of drugs found to be adulterated were Brandy, Cayenne Pepper, Extract of Licorice, Precipitated Sulphur, Tincture of Iodine and Whiskey.

Cities and towns from which samples of food were collected were Boston, Worcester, Fall River, Cambridge, Lowell, Somerville, Brockton, Malden, Chelsea, Haverhill, Gloucester, Fitchburg, Newton, Quincy, Marlborough, Newburyport, Dedham, Milford, Nantucket, Revere, Stoneham, Stoughton, Watertown, Winchester and Winthrop.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Nov. 11, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 45.

**Entered at the post-office at Boston as second-class matter.**

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 11, 1899.

## Deaths reported to the State Board of Health in 33 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 194 | 57 | 17 | 25 | 2 | 6 | 5 |
| Worcester, | 111,732 | 28 | 10 | 2 | 4 | 1 | .. | 1 |
| Fall River, | 103,142 | 26 | 11 | 4 | 2 | 3 | .. | 1 |
| Cambridge, | 92,520 | 34 | 14 | 1 | 5 | .. | .. | .. |
| Lowell, | 90,114 | 19 | 2 | 1 | .. | .. | 1 | .. |
| New Bedford, | 70,511 | 23 | 8 | 2 | 2 | 1 | 1 | .. |
| Lynn, | 68,218 | 17 | 2 | 1 | 2 | .. | .. | .. |
| Somerville, | 64,394 | 15 | 8 | 4 | 1 | 2 | 1 | .. |
| Lawrence, | 59,072 | 18 | 7 | 1 | 2 | .. | .. | 1 |
| Springfield, | 58,266 | 12 | 1 | 2 | 3 | .. | 1 | 1 |
| Holyoke, | 44,510 | 8 | 1 | 1 | .. | .. | .. | 1 |
| Brockton, | 38,759 | 5 | 0 | 1 | 1 | .. | 1 | .. |
| Salem, | 37,723 | 11 | 6 | .. | 1 | .. | .. | .. |
| Malden, | 36,421 | 6 | 0 | .. | 2 | .. | .. | .. |
| Chelsea, | 34,235 | 10 | 2 | 1 | 2 | .. | .. | .. |
| Haverhill, | 32,651 | 6 | 1 | .. | 1 | .. | .. | .. |
| Gloucester, | 31,426 | 7 | 1 | 1 | 1 | .. | .. | .. |
| Fitchburg, | 30,523 | 6 | 3 | .. | 1 | .. | .. | .. |
| Newton, | 30,461 | 6 | 2 | 1 | .. | .. | .. | 1 |
| Taunton, | 28,527 | 15 | 1 | .. | 2 | .. | .. | .. |
| Everett, | 28,102 | 5 | 0 | 1 | 2 | .. | 1 | .. |
| Quincy, | 24,578 | 7 | 2 | 1 | .. | 1 | .. | .. |
| Pittsfield, | 23,421 | 4 | 1 | .. | .. | .. | .. | .. |
| Waltham, | 22,791 | 9 | 2 | 1 | 1 | .. | 1 | .. |
| North Adams, | 21,583 | 6 | 2 | .. | 1 | .. | .. | .. |
| Brookline, | 19,412 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 3 | 1 | .. | .. | .. | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 3 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 3 | 0 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | 4 | 0 | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 2 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 6 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 2 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 2 | 1 | 1 | .. | .. | .. | 1 |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Consumption. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,838,703 | 519 | 146 | 44 | 61 | 10 | 13 | 12 |

## DEATHS FROM PREVALENT DISEASES IN 33 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-four deaths were reported from the prineipal infeetious diseases: typhoid fever, 13; diphtheria and eroup, 12; diarrhœal diseases, 10; eerebro-spinal meningitis, 5; whooping-cough, 2; measles, 1; small-pox, 1.

No deaths were reported from scarlet fever, puerperal fever and malarial fever.

There were 61 deaths from eonsumption, acute lung diseases, 53, aud stillbirths, 42. From eerebro-spinal meningitis: Boston, 2, Lynn, Somerville aud Glouecster, 1 each. From whooping-cough: Bostou, 2. From measles, Cambridge, 1. From small-pox: Chelsea, 1.

Deaths under five years of age numbered 146, as eompared with 164 for the preceding week.

Deaths from the prineipal infeetious diseases numbered 44, as compared with 62 for the preeediug week.

The death rates for the week were: Boston, 18.68; Woreester, 13.02; Fall River, 13.10; Cambridge, 19.10; Lowell, 10.83; New Bedford, 16.95; Lynn, 12.95; Somerville, 12.10; Lawrence, 15.84; Springfield, 10.70; Holyoke, ——; Brockton, 6.75; Salem, 15.15; Malden, 8.58; Chelsea, 15.20; Haverhill, 9.18; Glouester, 11.55; Fitchburg, 10.21; Taunton, 27.30; Everett, 9.25; Quiney, 14.77; Pittsfield, 8.88; Waltham, 20.52; North Adams, 14.46; Chicopee, 8.49; Northampton, ——; Medford, 9.06; Marlborough, ——; Newburyport, ——; Woburn, ——; Melrose ——.

The total death rate for the week was 14.67 as compared with 15.00 and 14.94, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING NOV. 11, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Searlet fever, | 183 | Measles, | 38 |
| Diphtheria and eroup, | 199 | Typhoid fever, | 56 |
| Small-pox, | 2 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Nov. 11, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 5, | 30.01 | 46 | 55 | 38 | 74 | 66 | 70 | S.W. | W. | 14 | 10 | | C. | C. | | | 0.00 |
| Monday, 6, | 30.23 | 43 | 50 | 36 | 72 | 72 | 72 | N.W. | N. | 12 | 8 | | O. | C. | | | 0.00 |
| Tuesday, 7, | 30.36 | 46 | 57 | 34 | 78 | 60 | 69 | W. | W. | 10 | 8 | | C. | C. | | | 0.00 |
| Wednes'y, 8, | 30.28 | 49 | 58 | 40 | 72 | 64 | 68 | W. | S.W. | 8 | 9 | | O. | C. | | | 0.00 |
| Thursday, 9, | 29.95 | 52 | 60 | 44 | 82 | 65 | 74 | S.W. | W. | 8 | 12 | | C. | C. | | | 0.00 |
| Friday, 10, | 29.79 | 51 | 60 | 42 | 68 | 66 | 67 | S.W. | N.W. | 11 | 13 | | C. | O. | | | 0.00 |
| Saturday, 11, | 29.89 | 43 | 50 | 36 | 63 | 96 | 80 | N. | N.E. | 5 | 9 | | O. | R. | | | 0.44 |
| Week, - - | 30.07 | | 56 | 39 | | | 71 | | | | | | | | | | 0.44 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Nov. 18, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 46.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
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JAMES W. HULL, Pittsfield.
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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 18, 1899.

## Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 201 | 58 | 17 | 35 | 2 | 4 | 8 |
| Worcester, | 111,732 | 29 | 9 | 5 | 5 | 1 | 1 | 2 |
| Fall River, | 103,142 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 92,520 | 23 | 13 | 2 | 7 | .. | .. | 1 |
| Lowell, | 90,114 | 32 | 13 | 1 | 3 | .. | 1 | .. |
| New Bedford, | 70,511 | 14 | 3 | 1 | 1 | .. | 1 | .. |
| Lynn, | 68,218 | 20 | 3 | 1 | .. | .. | 1 | .. |
| Somerville, | 64,394 | 6 | 2 | 2 | 2 | 1 | 1 | .. |
| Lawrence, | 59,072 | 16 | 10 | 4 | .. | 1 | .. | 2 |
| Springfield, | 58,266 | 19 | 9 | 7 | 1 | .. | 2 | 2 |
| Holyoke, | 44,510 | 6 | 3 | .. | .. | .. | .. | .. |
| Brockton, | 38,759 | 7 | 2 | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 8 | 4 | .. | 2 | .. | .. | .. |
| Malden, | 36,421 | 5 | 2 | 1 | 1 | .. | .. | 1 |
| Chelsea, | 34,235 | 10 | 2 | .. | .. | .. | .. | .. |
| Haverhill, | 32,651 | 12 | 3 | 2 | 1 | .. | .. | 2 |
| Gloucester, | 31,426 | 7 | 0 | .. | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 6 | 2 | 1 | 1 | .. | .. | .. |
| Newton, | 30,461 | 7 | 0 | .. | .. | .. | .. | .. |
| Taunton, | 28,527 | 6 | 1 | .. | .. | .. | .. | .. |
| Everett, | 28,102 | 6 | 3 | 1 | 1 | .. | .. | 1 |
| Quincy, | 24,578 | 3 | 1 | .. | 1 | .. | .. | .. |
| Pittsfield, | 23,421 | 4 | 1 | 1 | .. | .. | .. | .. |
| Waltham, | 22,791 | 3 | 0 | .. | .. | .. | .. | .. |
| North Adams, | 21,583 | 2 | 1 | 1 | .. | .. | .. | .. |
| Brookline, | 19,412 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 6 | 1 | 1 | .. | .. | 1 | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17.190 | 5 | 1 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 6 | 1 | .. | 1 | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 4 | 1 | 3 | .. | .. | 1 | .. |
| Hyde Park, | 13,132 | 4 | 1 | 1 | 2 | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 2 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 2 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,720,840 | 481 | 150 | 52 | 64 | 5 | 13 | 19 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 19; typhoid fever, 13; cerebro-spinal meningitis, 5; diarrhœal diseases, 3; scarlet fever, 3; erysipelas, 3; whooping-cough, 3; measles, 2; puerperal fever, 1.

No deaths were reported from small-pox and malarial fevers.

There were 64 deaths from acute lung diseases, consumption, 40, and stillbirths, 34. From diarrhœal diseases: Boston, Cambridge and Lowell, 1 each. From scarlet fever: Pittsfield, Melrose and Hyde Park, 1 each. From erysipelas: Boston, Worcester and Springfield, 1 each. From whooping-cough: Boston, Springfield and North Adams, 1 each. From measles: Springfield and Melrose, 1 each.

Deaths under five years of age numbered 150, as compared with 146 for the preceding week.

Deaths from the principal infectious diseases numbered 52, as compared with 44 for the preceding week.

The death rates for the week were: Boston, 19.29; Worcester, 13.48; Fall River, ——; Cambridge, 12.92; Lowell, 18.24; New Bedford, 10.31; Lynn, 15.24; Somerville, 4.84; Lawrence, 14.08; Springfield, 16.91; Holyoke, 7.00; Brockton, 9.38; Salem, 11.02; Malden, 7.15; Chelsea, 15.20; Haverhill, 18.26; Gloucester, 11.55; Fitchburg, 10.21; Newton, 11.90; Taunton, 10.93; Everett, 11.10; Quincy, 6.34; Pittsfield, 8.88; Waltham, 6.84; North Adams, 4.81; Chicopee, 16.98; Northampton, ——; Medford, 15.10; Marlborough, ——; Newburyport, 20.70; Woburn, ——.

The total death rate for the week was 15.11 as compared with 14.67 and 15.00, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING NOV. 18, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 175 | Measles, | 44 |
| Diphtheria and croup, | 274 | Typhoid fever, | 64 |
| Small-pox, | 4 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Nov. 18, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 12, | 29.97 | 32 | 36 | 27 | 95 | 72 | 84 | N.W. | N.W. | 12 | 22 | N. | C. | | 0.51 |
| Monday, 13, | 30.26 | 33 | 41 | 25 | 73 | 58 | 66 | N.W. | N.W. | 16 | 11 | C. | F. | | 0.00 |
| Tuesday, 14, | 30.32 | 34 | 41 | 27 | 70 | 75 | 72 | N.W. | S.E. | 6 | 2 | C. | O. | | 0.00 |
| Wednes'y, 15, | 30.07 | 40 | 48 | 33 | 89 | 100 | 94 | E. | W. | 5 | 11 | O. | O. | | 0.01 |
| Thursday, 16, | 30.25 | 43 | 50 | 36 | 85 | 76 | 80 | N.W. | N. | 14 | 9 | C. | O. | | T |
| Friday, 17, | 30.50 | 34 | 37 | 30 | 79 | 86 | 82 | N. | N.E. | 8 | 5 | F. | C. | | 0.00 |
| Saturday, 18, | 30.21 | 40 | 50 | 29 | 82 | 82 | 82 | S. | S.W. | 9 | 9 | F. | O. | | 0.00 |
| Week, - - | 30.23 | | 43 | 29 | | | 80 | | | | | | | | 0.56 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Nov. 25, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 47.

**Entered at the post-office at Boston as second-class matter.**

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It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Nov. 25, 1899.

## Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, bnt the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send ns their returns weekly, as heretofore, npon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 225 | 74 | 23 | 47 | 1 | 4 | 11 |
| Worcester, | 111,732 | 35 | 9 | 5 | 2 | 2 | .. | 1 |
| Fall River, | 103,142 | 25 | 7 | 5 | 4 | 3 | 1 | 1 |
| Cambridge, | 92,520 | 33 | 10 | 5 | 7 | .. | 2 | 2 |
| Lowell, | 90,114 | 27 | 10 | 2 | 5 | 1 | .. | 1 |
| New Bedford, | 70,511 | 19 | 8 | 2 | 2 | 1 | .. | .. |
| Lynn, | 68,218 | 25 | 9 | 3 | 2 | .. | 1 | 1 |
| Somerville, | 64,394 | 12 | 4 | 2 | 2 | .. | .. | 1 |
| Lawrence, | 59,072 | 18 | 12 | 3 | 2 | 1 | .. | 2 |
| Springfield, | 58,266 | 22 | 3 | 1 | 1 | .. | .. | 1 |
| Holyoke, | 44,510 | 14 | 3 | 1 | 1 | .. | .. | 1 |
| Brockton, | 38,759 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 10 | 4 | 2 | 1 | 1 | .. | .. |
| Malden, | 36,421 | 7 | 1 | .. | .. | .. | .. | .. |
| Chelsea, | 34,235 | 14 | 2 | 1 | .. | .. | .. | 1 |
| Haverhill, | 32,651 | 10 | 2 | 2 | 1 | .. | .. | 1 |
| Gloucester, | 31,426 | 4 | 0 | .. | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 4 | 0 | .. | .. | .. | .. | .. |
| Newton, | 30,461 | 11 | 1 | 1 | 1 | .. | .. | 1 |
| Taunton, | 28,527 | 12 | 0 | .. | 1 | .. | .. | .. |
| Everett, | 28,102 | 6 | 2 | 1 | 1 | .. | 1 | .. |
| Quincy, | 24,578 | 4 | 0 | 1 | .. | .. | .. | 1 |
| Pittsfield, | 23,421 | 11 | 3 | 1 | 1 | 1 | .. | .. |
| Waltham, | 22,791 | 3 | 1 | 1 | 1 | 1 | .. | .. |
| North Adams, | 21,583 | 3 | 3 | .. | 1 | .. | .. | .. |
| Brookline, | 19,412 | 3 | 1 | .. | 1 | .. | .. | .. |
| Chicopee, | 18,316 | 7 | 4 | 1 | 2 | .. | .. | 1 |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 3 | 2 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 3 | 1 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | 2 | 1 | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 2 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | .. | .. | .. | .. | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 2 | 0 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 5 | 1 | 2 | .. | 1 | 1 | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,806,224 | 581 | 178 | 65 | 86 | 13 | 10 | 27 |

## DEATHS FROM PREVALENT DISEASES IN 32 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-five deaths were reported from the principal infectious diseases: diphtheria and croup, 27; diarrhœal diseases, 13; typhoid fever, 10; cerebro-spinal meningitis, 7; scarlet fever, 4; erysipelas, whooping-cough, measles and puerperal fever, each 1.

No deaths were reported from small-pox and malarial fevers.

There were 86 deaths from acute lung diseases, consumption, 61, and stillbirths, 41. From cerebro-spinal meningitis: Boston and Worcester, 2 each, Cambridge, Somerville and Chelsea, 1 each. From scarlet fever: Boston, 2; New Bedford and Brockton, 1 each. From erysipelas: Boston, 1. From whooping-cough: Lynn, 1. From measles: Boston, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 178, as compared with 150 for the preceding week.

Deaths from the principal infectious diseases numbered 65, as compared with 52 for the preceding week.

The death rates for the week were: Boston, 21.69; Worcester, 16.27; Fall River, 12.62; Cambridge, 18.54; Lowell, 15.40; New Bedford, 14.06; Lynn, 19.05; Somerville, 9.68; Lawrence, 15.84; Springfield, 19.58; Holyoke, 16.35; Brockton, ——; Salem, 13.78; Malden, 10.01; Chelsea, 21.28; Haverhill, 15.31; Gloucester, 6.60; Fitchburg, 6.81; Newton, 18.70; Taunton, 21.84; Everett, 11.10; Quincy, 8.44; Pittsfield, 24.42; Waltham, 6.84; North Adams, 7.23; Chicopee, 19.87; Northampton, ——; Medford, 9.06; Marlborough, ——; Newburyport, 10.45; Woburn, ——; Melrose, ——.

The total death rate for the week was 16.72 as compared with 15.11 and 14.67, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING NOV. 25, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 175 | Measles, | 87 |
| Diphtheria and croup, | 227 | Typhoid fever, | 63 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

---

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Nov. 25, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 19, | 29.83 | 51 | 54 | 48 | 86 | 90 | 88 | S.W. | W. | 6 | 12 | | O. | F. | | | 0.09 |
| Monday, 20, | 29.85 | 44 | 51 | 36 | 78 | 75 | 76 | N.W. | N.W. | 18 | 11 | | C. | C. | | | 0.00 |
| Tuesday, 21, | 29.95 | 39 | 45 | 33 | 80 | 66 | 73 | N. | N.W. | 10 | 4 | | C. | C. | | | 0.00 |
| Wednes'y, 22, | 29.78 | 44 | 51 | 36 | 65 | 66 | 66 | W. | W. | 9 | 9 | | R. | O. | | | 0.02 |
| Thursday, 23, | 29.88 | 42 | 47 | 36 | 75 | 60 | 68 | N. | N. | 12 | 14 | | C. | O. | | | 0.00 |
| Friday, 24, | 30.03 | 40 | 49 | 32 | 69 | 49 | 59 | N.W. | N.W. | 8 | 6 | | C. | C. | | | 0.00 |
| Saturday, 25, | 29.97 | 34 | 39 | 29 | 74 | 63 | 68 | N.W. | N.W. | 12 | 10 | | C. | C. | | | 0.00 |
| Week, - - | 29.90 | | 48 | 36 | | | 71 | | | | | | | | | | 0.11 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Dec. 2, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 48.

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SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 2, 1899.

## Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 206 | 59 | 14 | 49 | .. | 4 | 8 |
| Worcester, | 111,732 | 37 | 11 | 3 | 2 | 1 | .. | 2 |
| Fall River, | 103,142 | 20 | 8 | 3 | 2 | .. | 1 | .. |
| Cambridge, | 92,520 | 26 | 7 | 3 | 8 | .. | .. | 3 |
| Lowell, | 90,114 | 26 | 10 | 2 | 3 | 1 | .. | 1 |
| New Bedford, | 70,511 | 21 | 4 | 2 | 2 | .. | .. | 1 |
| Lynn, | 68,218 | 24 | 5 | 2 | 3 | 1 | 1 | .. |
| Somerville, | 64,394 | 20 | 8 | 3 | 6 | 2 | 1 | .. |
| Lawrence, | 59,072 | 22 | 4 | 4 | 1 | 1 | .. | 2 |
| Springfield, | 58,266 | 15 | 4 | 3 | 1 | 1 | .. | 2 |
| Holyoke, | 44,510 | 11 | 7 | 3 | 1 | 1 | .. | .. |
| Brockton, | 38,759 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 5 | 1 | .. | 1 | .. | .. | .. |
| Malden, | 36,421 | 11 | 4 | .. | 1 | .. | .. | .. |
| Chelsea, | 34,235 | 13 | 3 | 1 | .. | .. | .. | 1 |
| Haverhill, | 32,651 | 9 | 2 | 1 | 3 | .. | .. | 1 |
| Gloucester, | 31,426 | 6 | 0 | 1 | .. | .. | .. | 1 |
| Fitchburg, | 30,523 | 4 | 2 | .. | .. | .. | .. | .. |
| Newton, | 30,461 | 6 | 2 | 1 | 1 | .. | 1 | .. |
| Taunton, | 28,527 | 5 | 1 | .. | 1 | .. | .. | .. |
| Everett, | 28,102 | 2 | 1 | .. | 1 | .. | .. | .. |
| Quincy, | 24,578 | 6 | 0 | .. | .. | .. | .. | .. |
| Pittsfield, | 23,421 | 5 | 0 | .. | .. | .. | .. | .. |
| Waltham, | 22,791 | 5 | 1 | .. | 1 | .. | .. | .. |
| North Adams, | 21,583 | 5 | 0 | .. | .. | .. | .. | .. |
| Brookline, | 19,412 | .. | .. | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 4 | 2 | .. | 2 | .. | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 2 | 2 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 7 | 1 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | 3 | 2 | .. | 1 | .. | .. | .. |
| Melrose, | 14,721 | 3 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 7 | 1 | .. | 1 | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 5 | 1 | .. | 1 | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Cerebro-spinal meningitis. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,789,808 | 541 | 153 | 46 | 92 | 8 | 8 | 22 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-six deaths were reported from the principal infectious diseases: diphtheria and croup, 22; typhoid fever, 8; cerebro-spinal meningitis, 8; diarrhœal diseases, 4; erysipelas, 2; scarlet fever, 1; measles, 1.

No deaths were reported from small-pox, whooping-cough, puerperal fever and malarial fever.

There were 92 deaths from acute lung diseases, consumption, 64, and stillbirths, 43.

From diarrhœal diseases: Fall River and Holyoke, 2 each. From erysipelas: New Bedford and Lawrence, 1 each. From scarlet fever: Boston, 1. From measles: Boston, 1.

Deaths under five years of age numbered 153, as compared with 178 for the preceding week.

Deaths from the principal infectious diseases numbered 46, as compared with 65 for the preceding week.

The death rates for the week were: Boston, 19.85; Worcester, 17.20; Fall River, 10.08; Cambridge, 14.61; Lowell, 14.83; New Bedford, 15.47; Lynn, 18.28; Somerville, 16.14; Lawrence, 19.36; Springfield, 13.38; Holyoke, 12.84; Brockton, ——; Salem, 6.87; Malden, 15.73; Chelsea, 19.76; Haverhill, 13.77; Gloucester, 9.90; Fitchburg, 6.81; Newton, 10.20; Taunton, 9.11; Everett, 3.60; Quincy, 12.66; Pittsfield, 11.10; Waltham, 11.40; North Adams, 12.05; Chicopee, 11.32; Northampton, ——; Medford, 6.04; Marlborough, ——; Newburyport, 24.15; Woburn, ——; Melrose, ——.

The total death rate for the week was 15.71 as compared with 16.72 and 15.11. for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING DEC. 2, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 155 | Measles, | 89 |
| Diphtheria and croup, | 228 | Typhoid fever, | 58 |
| Small-pox, | 3 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | STATE OF WEATHER.* | | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Dec. 2, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | 8 A. M. | 8 P. M. | | HOURS DURATION. | AMOUNT IN INCHES. |
| Nov. Sunday, 26, | 29.95 | 37 | 43 | 31 | 67 | 48 | 58 | N.W. | W. | 9 | 6 | | O. | C. | | | 0.00 |
| Monday, 27, | 29.91 | 37 | 42 | 32 | 65 | 58 | 62 | N.W. | S. | 10 | 5 | | C. | O. | | | 0.00 |
| Tuesday, 28, | 29.80 | 42 | 46 | 38 | 65 | 69 | 67 | S.W. | S. | 7 | 7 | | O. | O. | | | 0.00 |
| Wednes'y, 29, | 29.71 | 44 | 53 | 35 | 82 | 65 | 74 | W. | W. | 9 | 8 | | F. | C. | | | 0.00 |
| Thursday, 30, | 29.82 | 42 | 47 | 37 | 77 | 77 | 77 | W. | S.E. | 1 | 3 | | O. | O. | | | T. |
| Dec. Friday, 1, | 29.82 | 44 | 54 | 35 | 100 | 85 | 92 | N.W. | S.E. | 2 | 14 | | C. | F. | | | 0.00 |
| Saturday, 2, | 29.60 | 49 | 56 | 42 | 80 | 54 | 67 | W. | W. | 10 | 5 | | R. | C. | | | 0.01 |
| Week, - - | 29.80 | | 49 | 36 | | | 71 | | | | | | | | | | 0.01 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

— OF —

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Dec. 9, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 49.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

For the Week ending Dec. 9, 1899.

## Deaths reported to the State Board of Health in 32 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Scarlet Fever. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 201 | 64 | 11 | 46 | 4 | 3 | 3 |
| Worcester, | 111,732 | 36 | 15 | 6 | 4 | 1 | 1 | 4 |
| Fall River, | 103,142 | .. | .. | .. | .. | .. | .. | .. |
| Cambridge, | 92,520 | 23 | 10 | 2 | 4 | .. | .. | 2 |
| Lowell, | 90,114 | 31 | 11 | 3 | 6 | .. | 2 | 1 |
| New Bedford, | 70,511 | 25 | 10 | 3 | 5 | 1 | .. | 1 |
| Lynn, | 68,218 | 12 | 2 | 3 | 2 | .. | 1 | .. |
| Somerville, | 64,394 | 12 | 3 | 2 | 2 | .. | 1 | .. |
| Lawrence, | 59,072 | 16 | 11 | 1 | .. | .. | .. | 1 |
| Springfield, | 58,266 | 22 | .. | 3 | 5 | .. | 1 | 2 |
| Holyoke, | 44,510 | 13 | 7 | 1 | .. | .. | .. | 1 |
| Brockton, | 38,759 | 8 | 5 | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 6 | 2 | .. | .. | .. | .. | .. |
| Malden, | 36,421 | 11 | 3 | 2 | .. | .. | .. | .. |
| Chelsea, | 34,235 | 15 | 5 | 7 | .. | .. | 1 | 4 |
| Haverhill, | 32,651 | 5 | 3 | .. | .. | .. | .. | .. |
| Gloucester, | 31,426 | 5 | 2 | .. | 1 | .. | .. | .. |
| Fitchburg, | 30,523 | 11 | .. | 1 | .. | 1 | .. | .. |
| Newton, | 30,461 | 7 | 1 | .. | 2 | .. | .. | .. |
| Taunton, | 28,527 | 10 | 2 | .. | 1 | .. | .. | .. |
| Everett, | 28,102 | 5 | 2 | .. | 3 | .. | .. | .. |
| Quincy, | 24,578 | 4 | 0 | 1 | 1 | .. | .. | 1 |
| Pittsfield, | 23,421 | 5 | 3 | 2 | .. | .. | .. | .. |
| Waltham, | 22,791 | 8 | 1 | .. | .. | .. | .. | .. |
| North Adams, | 21,583 | 2 | 0 | .. | .. | .. | .. | .. |
| Brookline, | 19,412 | 3 | 1 | 1 | .. | .. | .. | 1 |
| Chicopee, | 18,316 | 5 | 2 | .. | .. | .. | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 3 | 2 | .. | 1 | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 4 | 0 | .. | 1 | .. | .. | .. |
| Woburn, | 14,721 | 3 | 0 | 1 | .. | 1 | .. | .. |
| Melrose, | 14,721 | 5 | 1 | 2 | 1 | .. | 2 | .. |
| Hyde Park, | 13,132 | 7 | 2 | 1 | 3 | .. | 1 | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 3 | 1 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Scarlet Fever. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,745,837 | 526 | 171 | 53 | 88 | 8 | 13 | 21 |

## DEATHS FROM PREVALENT DISEASES IN 32 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 21; typhoid fever, 13; scarlet fever, 8; diarrhœal diseases, 4; cerebro-spinal meningitis, 4; measles, 2; whooping-cough, 1.

No deaths were reported from small-pox, erysipelas, puerperal fever and malarial fever.

There were 88 deaths from acute lung diseases, consumption, 50, and stillbirths, 26.

From diarrhœal diseases: Pittsfield, 2; New Bedford and Somerville, 1 each. From cerebro-spinal meningitis: Lynn and Malden, 2 each. From measles: Chelsea, 2. From whooping-cough, Boston, 1.

Deaths under five years of age numbered 171, as compared with 153 for the previous week.

Deaths from the principal infectious diseases numbered 53, as compared with 46 for the preceding week.

The death rates for the week were: Boston, 19.92; Worcester, 16.56; Fall River, ——; Cambridge, 12.88; Lowell, 17.67; New Bedford, 18.42; Lynn, 9.12; Somerville, 9.72; Lawrence, 14.08; Springfield, 19.58; Holyoke, 15.08; Brockton, 10.72; Salem, 8.22; Malden, 15.84; Chelsea, 22.80; Haverhill, 7.65; Gloucester, 8.25; Fitchburg, 18.70; Newton, 12.74; Taunton, ——; Everett, 9.25; Quincy, ——; Pittsfield, 11.11; Waltham, 18.24; North Adams, 4.82; Chicopee, 14.15; Northampton, ——; Medford, 9.06; Marlborough, ——; Newburyport, 13.80; Woburn, ——; Melrose, ——.

The total death rate for the week was 15.61 as compared with 15.71 and 16.72, for the previous two weeks.

## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING DEC. 9, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 165 | Measles, | 128 |
| Diphtheria and croup, | 226 | Typhoid fever, | 65 |
| Small-pox, | 3 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Dec. 9, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 3, | 29.72 | 46 | 54 | 38 | 63 | 65 | 64 | W. | S. | 8 | 4 | C. | F. | | 0.00 |
| Monday, 4, | 29.52 | 42 | 54 | 31 | 89 | 57 | 73 | S. | W. | 4 | 22 | C. | C. | | T |
| Tuesday, 5, | 29.95 | 32 | 36 | 29 | 62 | 42 | 52 | W. | S.W. | 12 | 8 | C. | C. | | T |
| Wednes'y, 6, | 30.09 | 33 | 37 | 29 | 80 | 54 | 67 | S. | N.W. | 8 | 9 | F. | C. | | 0.00 |
| Thursday, 7, | 30.43 | 30 | 38 | 22 | 74 | 64 | 69 | N.W. | S. | 8 | 6 | C. | C. | | 0.00 |
| Friday, 8, | 30.02 | 38 | 44 | 31 | 76 | 50 | 63 | S.W. | N.W. | 14 | 11 | C. | F. | | T |
| Saturday, 9, | 30.35 | 28 | 33 | 23 | 62 | 50 | 56 | N.W. | N. | 18 | 10 | C. | C. | | 0.00 |
| Week, - - | 30.01 | | 42 | 29 | | | 63 | | | | | | | | 0.00 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Dec. 16, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 50.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

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CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending Dec. 16, 1899.

### Deaths reported to the State Board of Health in 30 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 251 | 77 | 18 | 57 | .. | 1 | 10 |
| Worcester, | 111,732 | 28 | 9 | 2 | 2 | .. | .. | 2 |
| Fall River, | 103,142 | 30 | 12 | 3 | 3 | 2 | .. | 1 |
| Cambridge, | 92,520 | 26 | 10 | 2 | 5 | .. | .. | 2 |
| Lowell, | 90,114 | 33 | 4 | 3 | 6 | .. | .. | 2 |
| New Bedford, | 70,511 | 18 | 6 | 3 | 3 | 1 | 1 | 1 |
| Lynn, | 68,218 | 22 | 6 | 6 | 1 | .. | 1 | 3 |
| Somerville, | 64,394 | 16 | 4 | 4 | 3 | .. | .. | 2 |
| Lawrence, | 59,072 | 16 | 10 | 3 | 2 | .. | .. | 3 |
| Springfield, | 58,266 | 21 | 4 | 6 | 2 | 2 | 2 | 1 |
| Holyoke, | 44,510 | 11 | 4 | 1 | 1 | .. | .. | 1 |
| Brockton, | 38,759 | 9 | 3 | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 18 | 7 | .. | 2 | .. | .. | .. |
| Malden, | 36,421 | 5 | 3 | 2 | .. | .. | 1 | .. |
| Chelsea, | 34,235 | 14 | 4 | 1 | .. | .. | .. | 1 |
| Haverhill, | 32,651 | 10 | 1 | 1 | 2 | .. | .. | 1 |
| Gloucester, | 31,426 | 8 | 3 | .. | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 8 | 3 | .. | 2 | .. | .. | .. |
| Newton, | 30,461 | 9 | 0 | 1 | 1 | .. | .. | .. |
| Taunton, | 28,527 | 8 | 3 | 2 | 1 | 1 | .. | .. |
| Everett, | 28,102 | .. | .. | .. | .. | .. | .. | .. |
| Quincy, | 24,578 | 8 | 0 | .. | 1 | .. | .. | .. |
| Pittsfield, | 23,421 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,791 | 9 | 0 | 1 | 2 | .. | .. | 1 |
| North Adams, | 21,583 | 4 | 4 | .. | .. | .. | .. | .. |
| Brookline, | 19,412 | 5 | 1 | 1 | .. | .. | .. | 1 |
| Chicopee, | 18,316 | 2 | 1 | .. | .. | .. | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 14 | 4 | 4 | 3 | 1 | 1 | 2 |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 4 | 0 | .. | 1 | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 2 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | .. | .. | .. | .. | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 3 | 2 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 1 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,778,739 | 613 | 185 | 64 | 70 | 7 | 7 | 34 |

## DEATHS FROM PREVALENT DISEASES IN 30 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 34; diarrhœal diseases, 7; typhoid fever, 7; cerebro-spinal meningitis, 7; scarlet fever, 3; whooping-cough, 1; measles, 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 100 deaths from acute lung diseases, consumption, 65, and stillbirths, 33.

From cerebro-spinal meningitis: Somerville, 2; Boston, Lowell, Lynn, Malden and Newton, 1 each. From erysipelas: Boston, 3; Taunton, 1. From scarlet fever: Boston, 3. From whooping-cough, Lynn, 1. From measles: Springfield, 1.

Deaths under five years of age numbered 185, as compared with 171 for the preceding week.

Deaths from the principal infectious diseases numbered 64, as compared with 53 for the preceding week.

The death rates for the week were: Boston, 24.19; Worcester, 13.02; Fall River, 15 00; Lowell, 18.81; New Bedford, 13.26; Lynn, 16.76; Somerville, 12.91; Lawrence, 14.08; Springfield, ——; Holyoke, 12.76; Brockton, 12.06; Salem, 24.79; Malden, 7.15; Chelsea, 21.28; Haverhill, 15.31; Gloucester, 13.20; Fitchburg, 15.32; Newton. —— ; Taunton, 14.57; Everett. ——; Quincy, 16.88; Pittsfield, ——; Waltham, 20.52; North Adams, 9.64; Chicopee, 5.66; Northampton, ——; Medford, ——; Marlborough, ——; Newburyport, 13.80; Woburn, ——; Melrose, ——.

The total death rate for the week was 16.92 as compared with 15.61 and 15.71, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING DEC. 16, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 191 | Measles, | 121 |
| Diphtheria and croup, | 218 | Typhoid fever, | 92 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

---

## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROM-ETER. | THER-MOMETER. | | | RELATIVE HUMIDITY. | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Dec. 16, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 10, | 30.44 | 32 | 42 | 21 | 73 | 71 | 72 | N.W. | S. | 6 | 7 | F. | O. | | 0.00 |
| Monday, 11, | 30.25 | 51 | 60 | 42 | 81 | 80 | 80 | S.W. | S. | 12 | 13 | O. | O. | | 0.00 |
| Tuesday, 12, | 29.91 | 60 | 66 | 53 | 68 | 83 | 76 | S. | S.W. | 18 | 14 | O. | C. | | 0.10 |
| Wednes'y, 13, | 29.96 | 50 | 58 | 41 | 84 | 48 | 66 | S.W. | W. | 12 | 10 | C. | C. | | 0.00 |
| Thursday, 14, | 30.31 | 38 | 42 | 33 | 57 | 58 | 58 | W. | S.E. | 11 | 8 | C. | F. | | 0.00 |
| Friday, 15, | 30.00 | 41 | 55 | 27 | 90 | 57 | 74 | S. | W. | 6 | 13 | R. | C. | | 0.88 |
| Saturday, 16, | 30.60 | 26 | 33 | 19 | 71 | 46 | 58 | N.W. | N. | 12 | 7 | C. | C. | | 0.00 |
| Week, - - | 30.19 | | 51 | 34 | | | 69 | | | | | | | | 0.98 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Dec. 23, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 51.

**Entered at the post-office at Boston as second-class matter.**

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

### STATE BOARD OF HEALTH.

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JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending Dec. 23, 1899.

### Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 204 | 55 | 16 | 49 | 1 | 1 | 7 |
| Worcester, | 111,732 | 39 | 14 | 1 | .. | .. | .. | .. |
| Fall River, | 103,142 | 26 | 7 | 5 | 7 | 3 | .. | .. |
| Cambridge, | 92,520 | 31 | 4 | 2 | 6 | .. | .. | 2 |
| Lowell, | 90,114 | 30 | 11 | .. | 11 | .. | .. | .. |
| New Bedford, | 70,511 | 17 | 0 | 1 | 2 | .. | 1 | .. |
| Lynn, | 68,218 | 28 | 8 | 2 | 9 | .. | .. | .. |
| Somerville, | 64,394 | 18 | 6 | 4 | 4 | .. | 1 | 3 |
| Lawrence, | 59,072 | 20 | 9 | 3 | 2 | 1 | .. | 1 |
| Springfield, | 58,266 | 14 | 3 | 2 | 1 | .. | .. | 2 |
| Holyoke, | 44,510 | 14 | 5 | 2 | 1 | .. | 1 | .. |
| Brockton, | 38,759 | 7 | 1 | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 7 | 0 | 1 | .. | 1 | .. | .. |
| Malden, | 36,421 | 10 | 4 | 1 | 1 | .. | .. | 1 |
| Chelsea, | 34,235 | 12 | 2 | 1 | .. | .. | .. | .. |
| Haverhill, | 32,651 | 3 | 1 | 2 | 2 | .. | .. | 1 |
| Gloucester, | 31,426 | 9 | 2 | .. | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 3 | 1 | .. | 1 | .. | .. | .. |
| Newton, | 30,461 | 13 | 2 | .. | 2 | .. | .. | .. |
| Taunton, | 28,527 | 15 | 2 | .. | .. | .. | .. | .. |
| Everett, | 28,102 | 9 | 4 | .. | .. | .. | .. | .. |
| Quincy, | 24,578 | 12 | 3 | 1 | .. | 1 | .. | .. |
| Pittsfield, | 23,421 | .. | .. | .. | .. | .. | .. | .. |
| Waltham, | 22,791 | 10 | 3 | 1 | 5 | .. | .. | 1 |
| North Adams, | 21,583 | 10 | 3 | .. | 2 | .. | .. | .. |
| Brookline, | 19,412 | 4 | 1 | 1 | .. | .. | .. | 1 |
| Chicopee, | 18,316 | 3 | 1 | .. | .. | .. | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 5 | 1 | 3 | .. | .. | 2 | 1 |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 7 | 1 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 3 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 4 | 0 | .. | .. | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 6 | 3 | 1 | 1 | 1 | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | .. | .. | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Diarrhœal Diseases. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,809,737 | 593 | 157 | 50 | 106 | 8 | 6 | 20 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty deaths were reported from the principal infectious diseases: diphtheria and croup, 20; diarrhœal diseases, 8; scarlet fever, 8; typhoid fever, 6; cerebro-spinal meningitis, 3; erysipelas, 2; whooping-cough, 2; measles, 1.

No deaths were reported from small-pox, puerperal fever and malarial fever.

There were 106 deaths from acute lung diseases, consumption, 52, and stillbirths, 31.

From scarlet fever: Boston, 6; Fall River and Haverhill, 1 each. From cerebro-spinal meningitis: Worcester, Lynn and Lawrence, 1 each. From erysipelas: Boston and Holyoke, 1 each. From whooping-cough, Malden and Lynn, 1 each. From measles: Fall River, 1.

Deaths under five years of age numbered 157, as compared with 185 for the preceding week.

Deaths from the principal infectious diseases numbered 50, as compared with 64 for the preceding week.

The death rates for the week were: Boston, 19.58; Worcester, 18.13; Fall River, 13.00; Cambridge, 17.42; Lowell, 17.10; New Bedford, 12.58; Lynn, 21.28; Somerville, 14.58; Lawrence, 17.60; Springfield, 12.46; Holyoke, 16.35; Brockton, 9.38; Salem. 9.59; Malden, 14.27; Chelsea, 18.24; Haverhill, 4.59; Gloucester, 14.85; Fitchburg, 5.10; Newton. ——; Taunton, 27.30; Everett, 16.65; Quincy, 25.32; Pittsfield, ——; Waltham, 22.80; North Adams, 24.10; Chicopee, 8.49; Northampton, ——; Medford, 15.10; Marlborough, ——; Newburyport, 24.15; Woburn, ——.

The total death rate for the week was 17.04 as compared with 16.92 and 15.61, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING DEC. 23, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, | 212 | Measles, | 176 |
| Diphtheria and croup, | 287 | Typhoid fever, | 53 |
| Small-pox, | 5 | | |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | STATE OF WEATHER.* | | RAIN-FALL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Dec. 23, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 17, | 30.66 | 32 | 38 | 26 | 76 | 72 | 74 | N. | S. E. | 5 | 11 | O. | O. | | 0.00 |
| Monday, 18, | 30.49 | 41 | 44 | 38 | 96 | 83 | 90 | S. W. | S. W. | 6 | 9 | G. | O. | | T |
| Tuesday, 19, | 30.14 | 51 | 64 | 38 | 82 | 77 | 80 | S. W. | W. | 14 | 17 | C. | R. | | 0.27 |
| Wednes'y, 20, | 30.35 | 38 | 44 | 32 | 75 | 54 | 64 | S. W. | S. W. | 12 | 6 | F. | C. | | T |
| Thursday, 21, | 30.36 | 42 | 50 | 34 | 69 | 76 | 72 | W. | S. | 7 | 7 | C. | C. | | 0.00 |
| Friday, 22, | 30.38 | 44 | 49 | 40 | 84 | 81 | 82 | S. W. | S. E. | 7 | 6 | O. | O. | | T |
| Saturday, 23, | 30.21 | 35 | 42 | 38 | 81 | 71 | 61 | E. | S E. | 9 | 10 | F. | C. | | 0.00 |
| Week, - - | 30.37 | | 47 | 35 | | | 75 | | | | | | | | 0.27 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

# INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food aud Drugs by the State Board of Health in the month of November.

| ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. | ARTICLES EXAMINED. | Number found to be of good quality. | Number adulterated or varying from the legal standard. | TOTAL. |
|---|---|---|---|---|---|---|---|
| Milk, . . . | 276 | 248 | 524 | Maple Syrup, . . | 4 | 1 | 5 |
| Butter, . . . | 25 | 0 | 25 | Canned Goods, . | 4 | 7 | 11 |
| Cheese, . . . | .. | .. | .. | Honey, . . . | 2 | 1 | 3 |
| Lard, . . . | 5 | 0 | 5 | Tea, . . . | 3 | 0 | 3 |
| Olive Oil, . . . | .. | .. | .. | Coffee, . . . | 13 | 0 | 13 |
| Vinegar, . . . | 3 | 3 | 6 | Cocoa, . . . | 1 | 1 | 2 |
| Spices, . . . | 112 | 8 | 120 | Confectionery, . | 8 | 0 | 8 |
| Cream of Tartar, . | 26 | 0 | 26 | Other articles of Food and Drinks, | 5 | 2 | 7 |
| Molasses, . . . | 13 | 0 | 13 | Drugs, . . . | 38 | 41 | 79 |
| Syrups, . . . | .. | .. | .. | | | | |
| Maple Sugar, . . | .. | .. | .. | | | | |
| | | | | Totals, . . | 538 | 312 | 850 |

Percentage of adulteration, 36.7. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The ratio of samples of milk found to be below the standard was 47.3 per cent., while the percentage of other articles of food was 9.3.

Four complaiuts were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs. Three of these were for violation of the statutes relative to the sale of soaked peas, and one of milk. Fines were imposed amounting to $175.

The samples of drugs fouud to be adulterated were Bitartrate of Potassium, Chlorinated Lime, Distilled Water, Ether, Glycerine, Powdered Opium, Precipitated Sulphur, Tincture of Iodine aud Tincture of Opium. Eleven samples of canned peas were examined, of which seven were "soaked."

Cities and towns from which samples of food were collected were Boston, Worcester, Fall River, Cambridge, Somerville, Holyoke, Brockton, Malden, Chelsea, Haverhill, Gloucester, Newton, Tauntou, Everett, Quincy, Waltham, Woburn, Arlington, Ashland, Danvers, Dedham, Hopkinton, Hyde Park, Needham, Revere and Speucer.

# Weekly Bulletin

OF THE

# STATE BOARD OF HEALTH

—OF—

# MASSACHUSETTS

FOR THE

## Week ending Saturday, Dec. 30, 1899.

An official publication of the State Board of Health of Massachusetts, published weekly at the office of the Board, State House, Boston, Mass.

VOL. XVII. No. 52.

Entered at the post-office at Boston as second-class matter.

This publication contains the returns of deaths made each week to the State Board of Health from cities and towns in Massachusetts having over 10,000 inhabitants in each. Once in each month it also contains the returns of deaths from such other towns as report to the Board.

It also contains the reports of cases of infectious diseases returned by the boards of health of cities and towns.

Once in each month the work done under the Food and Drug Acts is also reported in this bulletin.

STATE BOARD OF HEALTH.

HENRY P. WALCOTT, M.D., Cambridge, *Chairman.*
GERARD C. TOBEY, Esq., Wareham.
FRANK W. DRAPER, M.D., Boston.
HIRAM F. MILLS, C.E., Lawrence.
JAMES W. HULL, Pittsfield.
CHARLES H. PORTER, Quincy.
JULIAN A. MEAD, M.D., Watertown.

SAMUEL W. ABBOTT, M.D., *Secretary.*

# MORTALITY OF MASSACHUSETTS

## For the Week ending Dec. 30, 1899.

### Deaths reported to the State Board of Health in 31 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report is published weekly, and contains the returns from all cities and towns having a population of more than 10,000 inhabitants.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

| CITIES AND TOWNS. | Estimated Population. | Reported Deaths in Each. | Deaths under five years. | Deaths from | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Principal Infectious Diseases. | Acute Lung Diseases. | Scarlet Fever. | Typhoid Fever. | Diphtheria and Croup. |
| Boston, | 539,416 | 232 | 75 | 25 | 51 | 6 | 3 | 11 |
| Worcester, | 111,732 | 28 | 10 | 6 | .. | .. | .. | 3 |
| Fall River, | 103,142 | 34 | 16 | 4 | 5 | .. | .. | 2 |
| Cambridge, | 92,520 | 42 | 10 | 9 | .. | 2 | .. | 6 |
| Lowell, | 90,114 | 39 | 9 | .. | 9 | .. | .. | .. |
| New Bedford, | 70,511 | 18 | 8 | 2 | 3 | .. | 1 | 1 |
| Lynn, | 68,218 | 17 | 8 | .. | 3 | .. | .. | .. |
| Somerville, | 64,394 | 16 | 2 | 4 | 4 | 3 | 1 | .. |
| Lawrence, | 59,072 | 17 | 8 | 2 | 3 | 1 | .. | .. |
| Springfield, | 58,266 | 18 | 8 | 3 | 1 | .. | 1 | 1 |
| Holyoke, | 44,510 | 12 | 5 | 4 | 2 | .. | .. | 2 |
| Brockton, | 38,759 | .. | .. | .. | .. | .. | .. | .. |
| Salem, | 37,723 | 12 | 6 | 1 | 2 | .. | .. | 1 |
| Malden, | 36,421 | 8 | 1 | 1 | 1 | .. | .. | 1 |
| Chelsea, | 34,235 | 13 | 4 | 2 | .. | .. | .. | 2 |
| Haverhill, | 32,651 | 11 | 1 | 2 | .. | .. | .. | 2 |
| Gloucester, | 31,426 | 8 | 1 | 1 | .. | .. | .. | .. |
| Fitchburg, | 30,523 | 5 | 2 | 1 | .. | .. | .. | 1 |
| Newton, | 30,461 | 9 | 2 | 2 | .. | .. | .. | 1 |
| Taunton, | 28,527 | 13 | 3 | .. | 3 | .. | .. | .. |
| Everett, | 28,102 | 8 | 4 | .. | .. | .. | .. | .. |
| Quincy, | 24,578 | .. | .. | .. | .. | .. | .. | .. |
| Pittsfield, | 23,421 | 3 | 2 | 1 | 2 | .. | .. | .. |
| Waltham, | 22,791 | 9 | 1 | .. | .. | .. | .. | 1 |
| North Adams, | 21,583 | 6 | 1 | .. | .. | .. | .. | .. |
| Brookline, | 19,412 | 3 | 0 | .. | .. | .. | .. | .. |
| Chicopee, | 18,316 | 5 | 0 | .. | 2 | .. | .. | .. |
| Northampton, | 18,150 | .. | .. | .. | .. | .. | .. | .. |
| Medford, | 17,190 | 3 | 0 | .. | .. | .. | .. | .. |
| Marlborough, | 15,914 | .. | .. | .. | .. | .. | .. | .. |
| Newburyport, | 15,036 | 6 | 4 | .. | .. | .. | .. | .. |
| Woburn, | 14,721 | .. | .. | .. | .. | .. | .. | .. |
| Melrose, | 14,721 | 6 | 0 | .. | .. | .. | .. | .. |
| Hyde Park, | 13,132 | 5 | 2 | .. | 2 | .. | .. | .. |
| Beverly, | 12,594 | .. | .. | .. | .. | .. | .. | .. |
| Clinton, | 12,355 | 5 | 2 | .. | .. | .. | .. | .. |
| Weymouth, | 11,613 | .. | .. | .. | .. | .. | .. | .. |
| Westfield, | 11,349 | .. | .. | .. | .. | .. | .. | .. |
| Peabody, | 10,786 | .. | .. | .. | .. | .. | .. | .. |
| Leominster, | 10,764 | .. | .. | .. | .. | .. | .. | .. |
| Amesbury, | 10,136 | 1 | 0 | .. | .. | .. | .. | .. |

## RECAPITULATION.

| | Estimated Population. | Deaths. | Deaths under five. | Infectious Diseases. | Acute Lung Diseases. | Scarlet Fever. | Typhoid Fever. | Diphtheria and Croup. |
|---|---|---|---|---|---|---|---|---|
| Total of reporting towns, | 1,780,057 | 612 | 195 | 70 | 93 | 12 | 6 | 35 |

## DEATHS FROM PREVALENT DISEASES IN 31 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy deaths were reported from the principal infectious diseases: diphtheria and croup, 35; scarlet fever, 12; cerebro-spinal meningitis, 7; typhoid fever, 6; diarrhœal diseases, 4; whooping-cough, 2; measles, 2; erysipelas, 1; puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 93 deaths from acute lung diseases, consumption, 57, and stillbirths, 29.

From cerebro-spinal meningitis: Boston and Cambridge, 2 each; Lawrence, Gloucester and Newton, 1 each. From diarrhœal diseases: Fall River, 2; Worcester and Holyoke, 1 each. From whooping-cough, Boston and Cambridge, 1 each. From measles: Boston and Springfield, 1 each. From erysipelas: Holyoke, 1. From puerperal fever: Boston, 1.

Deaths under five years of age numbered 195, as compared with 157 for the preceding week.

Deaths from the principal infectious diseases numbered 70, as compared with 50 for the preceding week.

The death rates for the week were: Boston, 22.36; Worcester, 13.02; Fall River, 17.13; Cambridge, 23.60; Lowell, 22.23; New Bedford, 13.33; Lynn, 12.72; Somerville, ——; Lawrence, 14.96; Springfield, ——; Holyoke, 14.01; Brockton, ——; Salem, 16.53; Malden, 11.44; Chelsea, 19.76; Haverhill, 16.83; Gloucester, 13.20; Fitchburg, 8.51; Newton, ——; Taunton, 23.68; Everett, 14.80; Quincy, ——; Pittsfield, 6.66; Waltham, 20.52; North Adams, 14.46; Chicopee, ——; Northampton, ——; Medford, 9.06; Marlborough, ——; Newburyport, 20.70; Woburn, ——; Melrose, ——.

The total death rate for the week was 17.87 as compared with 17.04 and 16.92, for the previous two weeks.

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## CASES OF INFECTIOUS DISEASES REPORTED TO THE STATE BOARD OF HEALTH DURING THE WEEK ENDING DEC. 30, 1899.

**(Under the Provisions of Chapter 302 of the Acts of 1893.)**

| | | | |
|---|---|---|---|
| Scarlet fever, . . . . . | 216 | Measles, . . . . . | 207 |
| Diphtheria and croup, . . . . | 266 | Typhoid fever, . . . . | 47 |

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

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## The Meteorological Record for the Week, in Boston, was as follows:

| DATE. | BAROMETER. | THERMOMETER. | | | RELATIVE HUMIDITY. | | | DIRECTION OF WIND. | | VELOCITY OF WIND. | | | | STATE OF WEATHER.* | | RAIN-FALL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Week ending Saturday, Dec. 30, 1899. | MEAN. | MEAN. | MAXIMUM. | MINIMUM. | 8 A. M. | 8 P. M. | | MEAN. | 8 A. M. | 8 P. M. | 8 A. M. | 8 P. M. | | | 8 A. M. | 8 P. M. | HOURS DURATION. | AMOUNT IN INCHES. |
| Sunday, 24, | 29.52 | 40 | 46 | 34 | 71 | 88 | | 80 | S. E. | S E. | 7 | 12 | | | O. | R. | | 0.24 |
| Monday, 25, | 29.49 | 38 | 45 | 30 | 70 | 56 | | 63 | S. W. | S. W. | 10 | 14 | | | C. | O. | | 0.02 |
| Tuesday, 26, | 29.79 | 25 | 32 | 18 | 64 | 61 | | 62 | W. | W. | 14 | 10 | | | F. | C. | | 0.00 |
| Wednes'y, 27, | 30.13 | 25 | 32 | 18 | 57 | 65 | | 61 | W. | S. W. | 12 | 12 | | | C. | C. | | 0.00 |
| Thursday, 28, | 30.10 | 25 | 30 | 20 | 66 | 68 | | 67 | W. | N. | 8 | 10 | | | O. | C. | | 0.00 |
| Friday, 29, | 29.79 | 22 | 28 | 15 | 67 | 65 | | 66 | N. | W. | 13 | 14 | | | C. | C. | | 0.00 |
| Saturday, 30, | 29.64 | 15 | 22 | 8 | 64 | 58 | | 61 | N. W. | W. | 9 | 15 | | | C. | C. | | 0.00 |
| Week, - - | 29.68 | | 33 | 20 | | | | 66 | | | | | | | | | | 0.26 |

*O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.